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TrigonometryExercise6 for No.9844

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9872

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9873

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9884

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9885

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + \sin(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9895

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9898

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9899

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - 3\sin(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.9920

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + \sin(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - 3\sin(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 + 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10000

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 + 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10017

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10025

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10057

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10061

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10071

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta)+1=0) & .2 = (4[\cos(\theta)]^2-3=0) \\ .3 = (\cos(4\theta)=0) & .4 = (\sin(3\theta)=1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2-3\cos(\theta)+1=0) & .2 = (2[\sin(\theta)]^2-\cos(\theta)-1=0) \\ .3 = (2[\sin(\theta)]^2-\sin(\theta)=0) & .4 = (\sin(\theta)+\cos(\theta)=\sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta)=\tan(\theta)) & .6 = (4[\sin(\theta)]^3-3\sin(\theta)=0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta)-1=0) & .2 = (4[\sin(\theta)]^2-3=0) \\ .3 = (\sin(4\theta)=0) & .4 = (\cos(2\theta)=1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2+3\cos(\theta)+1=0) & .2 = (2[\cos(\theta)]^2+\sin(\theta)-1=0) \\ .3 = (2[\sin(\theta)]^2+\sin(\theta)=0) & .4 = (\cos(\theta)-\sin(\theta)=\sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta)=\tan(\theta)) & .6 = (4[\cos(\theta)]^3-3\cos(\theta)=0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta)-1=0) & .2 = (4[\sin(\theta)]^2=1) \\ .3 = (\tan(\theta)\sin(\theta)=\sin(\theta)) & .4 = ([\tan(\theta)]^2-1=0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10088

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta)-1=0) & .2 = (4[\cos(\theta)]^2-3=0) \\ .3 = (\cos(3\theta)=0) & .4 = (\cos(2\theta)=1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2+3\sin(\theta)+1=0) & .2 = (2[\sin(\theta)]^2-\cos(\theta)-1=0) \\ .3 = (2[\cos(\theta)]^2+\cos(\theta)=0) & .4 = (\sin(\theta)-\cos(\theta)=\sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta)=\tan(\theta)) & .6 = (4[\sin(\theta)]^3-3\sin(\theta)=0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta)+1=0) & .2 = (4[\cos(\theta)]^2-1=0) \\ .3 = (\sin(3\theta)=0) & .4 = (\sin(2\theta)=1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2-\cos(\theta)-1=0) & .2 = (2[\sin(\theta)]^2+3\cos(\theta)-3=0) \\ .3 = (2[\cos(\theta)]^2-\cos(\theta)=0) & .4 = (\cos(\theta)-\sin(\theta)=\sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta)=\tan(\theta)) & .6 = (4[\cos(\theta)]^3-\cos(\theta)=0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta)-1=0) & .2 = (4[\sin(\theta)]^2=1) \\ .3 = (2\tan(\theta)\cos(\theta)=\tan(\theta)) & .4 = (3[\tan(\theta)]^2-1=0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10385

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10387

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + \sin(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10914

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10945

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10954

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(3\,\theta) = 0) & .4 = (\cos(4\,\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + \sin(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 + 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(3\,\theta) = 0) & .4 = (\sin(2\,\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.10966

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\,\theta) = 0) & .4 = (\sin(3\,\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 + 3\cos(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3\,\theta) = 0) & .4 = (\sin(4\,\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 1) \\ .3 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.11154

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.11191

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - 3\sin(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.11309

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.12483

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.12557

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.12637

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 + 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.12689

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\sin(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - \sin(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 + 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.13349

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.13519

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .4 = ([\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.14276

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\cos(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - 3\cos(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 + \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .4 = (3[\tan(\theta)]^2 - 1 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.14380

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(2\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 - \cos(\theta) - 1 = 0) \\ .3 = (2[\cos(\theta)]^2 + \cos(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .6 = (4[\cos(\theta)]^3 - 3\cos(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 1 = 0) \\ .3 = (\sin(3\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\sin(\theta)]^2 - 3\cos(\theta) - 3 = 0) \\ .3 = (2[\cos(\theta)]^2 - \cos(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (2\tan(\theta)\sin(\theta) = \tan(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.14393

$$No1 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 - 3 = 0) \\ .3 = (\cos(3\theta) = 0) & .4 = (\sin(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) + \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - \sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\cos(4\theta) = 0) & .4 = (\sin(2\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 + 3\cos(\theta) + 1 = 0) & .2 = (2[\sin(\theta)]^2 + 3\cos(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 = 1) \\ .3 = (\tan(\theta)\cos(\theta) = \cos(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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TrigonometryExercise6 for No.14417

$$No1 = \begin{bmatrix} .1 = (2\cos(\theta) - 1 = 0) & .2 = (4[\cos(\theta)]^2 - 3 = 0) \\ .3 = (\sin(2\theta) = 0) & .4 = (\cos(3\theta) = 1) \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = (2[\sin(\theta)]^2 - 3\sin(\theta) + 1 = 0) & .2 = (2[\cos(\theta)]^2 - 3\sin(\theta) - 3 = 0) \\ .3 = (2[\sin(\theta)]^2 + \sin(\theta) = 0) & .4 = (\sin(\theta) - \cos(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\sin(\theta) = \tan(\theta)) & .6 = (4[\sin(\theta)]^3 - 3\sin(\theta) = 0) \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = (2\sin(\theta) - 1 = 0) & .2 = (4[\sin(\theta)]^2 - 1 = 0) \\ .3 = (\sin(4\theta) = 0) & .4 = (\cos(4\theta) = 1) \end{bmatrix}$$

$$No4 = \begin{bmatrix} .1 = (2[\cos(\theta)]^2 - \cos(\theta) - 1 = 0) & .2 = (2[\cos(\theta)]^2 - \sin(\theta) - 1 = 0) \\ .3 = (2[\sin(\theta)]^2 - \sin(\theta) = 0) & .4 = (\cos(\theta) - \sin(\theta) = \sqrt{2}) \\ .5 = (\tan(\theta)\cos(\theta) = \tan(\theta)) & .6 = (4[\cos(\theta)]^3 - \cos(\theta) = 0) \end{bmatrix}$$

$$No5 = \begin{bmatrix} .1 = (2\sin(\theta) + 1 = 0) & .2 = (4[\sin(\theta)]^2 = 3) \\ .3 = (\tan(\theta)\sin(\theta) = \sin(\theta)) & .4 = ([\tan(\theta)]^2 - 3 = 0) \end{bmatrix}$$

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