XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00001XX
TrigonometryExercise6 for No.9395

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00002XX
TrigonometryExercise6 for No.9419

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00003XX
TrigonometryExercise6 for No.9428

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00004XX
TrigonometryExercise6 for No.9459

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00005XX
TrigonometryExercise6 for No.9476

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00006XX
TrigonometryExercise6 for No.9491

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00007XX
TrigonometryExercise6 for No.9633

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00008XX
TrigonometryExercise6 for No.9711

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00009XX
TrigonometryExercise6 for No.9784

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00010XX
TrigonometryExercise6 for No.10143

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00011XX
TrigonometryExercise6 for No.10359

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00012XX
TrigonometryExercise6 for No.10626

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00013XX
TrigonometryExercise6 for No.11002

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00014XX
TrigonometryExercise6 for No.11188

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00015XX
TrigonometryExercise6 for No.11505

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00016XX
TrigonometryExercise6 for No.12113

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00017XX
TrigonometryExercise6 for No.12541

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00018XX
TrigonometryExercise6 for No.12590

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00019XX
TrigonometryExercise6 for No.12621

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00020XX
TrigonometryExercise6 for No.12641

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

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

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

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

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

:
:
:
:
:
:
:
:
:

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00021XX
TrigonometryExercise6 for No.12674

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

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

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

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

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

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
:
:
:
:
X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM5/1-6500306-00022XX
TrigonometryExercise6 for No.12728

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

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

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

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

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

:
:
:
:
:
:
:
:
: