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TrigonometryExercise7 for No.9844

$$No1 = \begin{bmatrix} .1 = [C = 60^{o}, b = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), a = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [a = (36\sqrt{2} + 36\sqrt{2}\sqrt{3} = 139.09), b = 72, c = (72\sqrt{2} = 101.82)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 60^{o}, C = 75^{o}, a = (18\sqrt{2}\sqrt{3} = 44.09)] \\ .2 = [C = 45^{o}, A = 75^{o}, b = (21\sqrt{2}\sqrt{3} = 51.44)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 30^{o}, c = (60\sqrt{2} = 84.85), b = (30\sqrt{2}\sqrt{3} - 30\sqrt{2} = 31.06)] \\ .2 = [C = 60^{o}, b = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92), a = (20\sqrt{2}\sqrt{3} = 48.99)] \end{bmatrix}$$

$$No4 = [a = 72, b = (72\sqrt{3} = 124.71), A = 30^{o}]$$

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TrigonometryExercise7 for No.9872

$$No1 = \begin{bmatrix} .1 = [B = 45^{o}, a = (24 + 24\sqrt{3} = 65.57), c = (24\sqrt{2} = 33.94)] \\ .2 = [a = 72, b = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), c = (24\sqrt{2}\sqrt{3} = 58.79)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 75^{o}, B = 45^{o}, a = (36\sqrt{2}\sqrt{3} = 88.18)] \\ .2 = [A = 105^{o}, C = 30^{o}, b = (48\sqrt{2} = 67.88)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 45^{o}, b = (21\sqrt{2} = 29.70), a = (21 + 21\sqrt{3} = 57.37)] \\ .2 = [A = 60^{o}, c = (18\sqrt{2}\sqrt{3} = 44.09), b = (9\sqrt{2}\sqrt{3} + 27\sqrt{2} = 60.23)] \end{bmatrix}$$

$$No4 = [a = 42, b = (21\sqrt{2}\sqrt{3} = 51.44), A = 45^{o}]$$

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TrigonometryExercise7 for No.9873

$$No1 = \begin{bmatrix} .1 = [a = 66, b = (33\sqrt{2} = 46.67), c = (33 + 33\sqrt{3} = 90.16)] \\ .2 = [B = 30^{o}, c = 60, a = (60\sqrt{3} = 103.92)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 75^{o}, A = 45^{o}, c = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [B = 60^{o}, C = 75^{o}, a = (22\sqrt{2}\sqrt{3} = 53.89)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^{o}, b = (90\sqrt{2} = 127.28), a = (45\sqrt{2}\sqrt{3} - 45\sqrt{2} = 46.59)] \\ .2 = [B = 45^{o}, c = (36\sqrt{2}\sqrt{3} = 88.18), a = (36\sqrt{3} - 36 = 26.35)] \end{bmatrix}$$

$$No4 = [a = 54, b = (54\sqrt{3} = 93.53), A = 30^{o}]$$

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TrigonometryExercise7 for No.9884

$$No1 = \begin{bmatrix} .1 = [a = (48\sqrt{2} = 67.88), b = 48, c = (24\sqrt{2} + 24\sqrt{2}\sqrt{3} = 92.73)] \\ .2 = [A = 60^{o}, b = (7\sqrt{2}\sqrt{3} + 21\sqrt{2} = 46.84), c = (14\sqrt{2}\sqrt{3} = 34.29)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 75^{o}, B = 60^{o}, c = (28\sqrt{2}\sqrt{3} = 68.59)] \\ .2 = [A = 30^{o}, B = 15^{o}, c = (60\sqrt{2} = 84.85)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 45^{o}, b = (42\sqrt{2}\sqrt{3} = 102.88), c = (42 + 42\sqrt{3} = 114.75)] \\ .2 = [C = 30^{o}, b = 66, a = (66\sqrt{3} = 114.32)] \end{bmatrix}$$

$$No4 = [a = 48, b = (48\sqrt{3} = 83.14), A = 30^{o}]$$

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TrigonometryExercise7 for No.9885

$$No1 = \begin{bmatrix} .1 = [a = (8\sqrt{2}\sqrt{3} + 24\sqrt{2} = 53.54), b = (16\sqrt{2}\sqrt{3} = 39.19), c = 48] \\ .2 = [B = 30^{o}, c = (90\sqrt{2} = 127.28), a = (45\sqrt{2} + 45\sqrt{2}\sqrt{3} = 173.87)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 15^{o}, C = 30^{o}, b = (84\sqrt{2} = 118.79)] \\ .2 = [C = 105^{o}, A = 45^{o}, b = (15\sqrt{2} = 21.21)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 60^{o}, a = (16\sqrt{2}\sqrt{3} = 39.19), b = (8\sqrt{2}\sqrt{3} + 24\sqrt{2} = 53.54)] \\ .2 = [A = 45^{o}, b = (21\sqrt{2}\sqrt{3} = 51.44), c = (21 + 21\sqrt{3} = 57.37)] \end{bmatrix}$$

$$No4 = [a = 72, b = (36\sqrt{2}\sqrt{3} = 88.18), A = 45^{o}]$$

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TrigonometryExercise7 for No.9895

$$No1 = \begin{bmatrix} .1 = [A = 45^{o}, c = (45\sqrt{2}\sqrt{3} = 110.23), b = (45\sqrt{3} - 45 = 32.94)] \\ .2 = [a = (90\sqrt{2} = 127.28), b = (45\sqrt{2} + 45\sqrt{2}\sqrt{3} = 173.87), c = 90] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 75^{o}, B = 60^{o}, a = (22\sqrt{2}\sqrt{3} = 53.89)] \\ .2 = [C = 45^{o}, B = 15^{o}, a = (36\sqrt{2}\sqrt{3} = 88.18)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 60^{o}, c = (12\sqrt{2}\sqrt{3} = 29.39), b = (6\sqrt{2}\sqrt{3} + 18\sqrt{2} = 40.15)] \\ .2 = [B = 45^{o}, c = (42\sqrt{2}\sqrt{3} = 102.88), a = (42 + 42\sqrt{3} = 114.75)] \end{bmatrix}$$

$$No4 = [a = 84, b = (84\sqrt{3} = 145.49), A = 30^{o}]$$

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TrigonometryExercise7 for No.9898

$$No1 = \begin{bmatrix} .1 = [a = (33\sqrt{2} + 33\sqrt{2}\sqrt{3} = 127.50), b = 66, c = (66\sqrt{2} = 93.34)] \\ .2 = [A = 45^{o}, b = (45\sqrt{2} = 63.64), c = (45 + 45\sqrt{3} = 122.94)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 75^{o}, B = 60^{o}, a = (10\sqrt{2}\sqrt{3} = 24.49)] \\ .2 = [C = 15^{o}, A = 45^{o}, b = (24\sqrt{2}\sqrt{3} = 58.79)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 45^{o}, a = (21 + 21\sqrt{3} = 57.37), b = (21\sqrt{2} = 29.70)] \\ .2 = [A = 30^{o}, c = (90\sqrt{2} = 127.28), b = (45\sqrt{2}\sqrt{3} - 45\sqrt{2} = 46.59)] \end{bmatrix}$$

$$No4 = [a = 90, b = (45\sqrt{2}\sqrt{3} = 110.23), A = 45^{o}]$$

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TrigonometryExercise7 for No.9899

$$No1 = \begin{bmatrix} .1 = [C = 30^{o}, b = (72\sqrt{2} = 101.82), a = (36\sqrt{2} + 36\sqrt{2}\sqrt{3} = 139.09)] \\ .2 = [a = (15 + 15\sqrt{3} = 40.98), b = 30, c = (15\sqrt{2}\sqrt{3} = 36.74)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 30^{o}, B = 30^{o}, c = (42\sqrt{3} = 72.75)] \\ .2 = [A = 60^{o}, B = 75^{o}, c = (22\sqrt{2}\sqrt{3} = 53.89)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 60^{o}, c = (20\sqrt{2}\sqrt{3} = 48.99), a = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92)] \\ .2 = [A = 30^{o}, b = (84\sqrt{2} = 118.79), c = (42\sqrt{2}\sqrt{3} - 42\sqrt{2} = 43.48)] \end{bmatrix}$$

$$No4 = [a = 84, b = (42\sqrt{2}\sqrt{3} = 102.88), A = 45^{o}]$$

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TrigonometryExercise7 for No.9920

$$No1 = \begin{bmatrix} .1 = [a = (14\sqrt{2}\sqrt{3} = 34.29), b = 42, c = (7\sqrt{2}\sqrt{3} + 21\sqrt{2} = 46.84)] \\ .2 = [A = 45^o, b = (24\sqrt{2} = 33.94), c = (24 + 24\sqrt{3} = 65.57)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 15^o, A = 30^o, c = (78\sqrt{2} = 110.31)] \\ .2 = [B = 105^o, C = 45^o, a = (24\sqrt{2} = 33.94)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 45^o, a = (42\sqrt{2}\sqrt{3} = 102.88), c = (42 + 42\sqrt{3} = 114.75)] \\ .2 = [C = 60^o, b = (14\sqrt{2}\sqrt{3} + 42\sqrt{2} = 93.69), a = (28\sqrt{2}\sqrt{3} = 68.59)] \end{bmatrix}$$

$$No4 = [a = 84, b = (84\sqrt{3} = 145.49), A = 30^o]$$

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TrigonometryExercise7 for No.10000

$$No1 = \begin{bmatrix} .1 = [a = (36\sqrt{3} = 62.35), b = 36, c = 36] \\ .2 = [A = 60^o, c = (5\sqrt{2}\sqrt{3} + 15\sqrt{2} = 33.46), b = (10\sqrt{2}\sqrt{3} = 24.49)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 75^o, C = 45^o, b = (21\sqrt{2}\sqrt{3} = 51.44)] \\ .2 = [B = 75^o, A = 60^o, c = (12\sqrt{2}\sqrt{3} = 29.39)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 60^o, b = (26\sqrt{2}\sqrt{3} = 63.69), a = (13\sqrt{2}\sqrt{3} + 39\sqrt{2} = 87.00)] \\ .2 = [B = 30^o, c = 72, a = (72\sqrt{3} = 124.71)] \end{bmatrix}$$

$$No4 = [a = 84, b = (42\sqrt{2}\sqrt{3} = 102.88), A = 45^o]$$

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TrigonometryExercise7 for No.10017

$$No1 = \begin{bmatrix} .1 = [C = 45^o, a = (27\sqrt{2}\sqrt{3} = 66.14), b = (27 + 27\sqrt{3} = 73.77)] \\ .2 = [a = 54, b = (18\sqrt{2}\sqrt{3} = 44.09), c = (9\sqrt{2}\sqrt{3} + 27\sqrt{2} = 60.23)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 75^o, C = 60^o, a = (20\sqrt{2}\sqrt{3} = 48.99)] \\ .2 = [A = 15^o, B = 30^o, c = (36\sqrt{2} = 50.91)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 60^o, c = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), b = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [C = 30^o, b = (60\sqrt{3} = 103.92), a = 60] \end{bmatrix}$$

$$No4 = [a = 78, b = (39\sqrt{2}\sqrt{3} = 95.53), A = 45^o]$$

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TrigonometryExercise7 for No.10025

$$No1 = \begin{bmatrix} .1 = [a = 84, b = (42 + 42\sqrt{3} = 114.75), c = (42\sqrt{2}\sqrt{3} = 102.88)] \\ .2 = [C = 30^o, b = 48, a = (48\sqrt{3} = 83.14)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 15^o, B = 45^o, a = (33\sqrt{2}\sqrt{3} = 80.83)] \\ .2 = [C = 75^o, A = 60^o, b = (28\sqrt{2}\sqrt{3} = 68.59)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^o, b = (36\sqrt{2} + 36\sqrt{2}\sqrt{3} = 139.09), a = (72\sqrt{2} = 101.82)] \\ .2 = [A = 45^o, c = (45 + 45\sqrt{3} = 122.94), b = (45\sqrt{2} = 63.64)] \end{bmatrix}$$

$$No4 = [a = 84, b = (84\sqrt{3} = 145.49), A = 30^o]$$

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 TrigonometryExercise7 for No.10057
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$$No1 = \begin{bmatrix} .1 = [a = 78, b = (78\sqrt{3} = 135.10), c = 78] \\ .2 = [B = 45^{o}, c = (30 + 30\sqrt{3} = 81.96), a = (30\sqrt{2} = 42.43)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 60^{o}, B = 75^{o}, a = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [C = 75^{o}, B = 45^{o}, a = (39\sqrt{2}\sqrt{3} = 95.53)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 60^{o}, a = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92), b = (20\sqrt{2}\sqrt{3} = 48.99)] \\ .2 = [B = 30^{o}, c = (72\sqrt{2} = 101.82), a = (36\sqrt{2}\sqrt{3} - 36\sqrt{2} = 37.27)] \end{bmatrix}$$

$$No4 = [a = 54, b = (27\sqrt{2}\sqrt{3} = 66.14), A = 45^{o}]$$

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 TrigonometryExercise7 for No.10061
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$$No1 = \begin{bmatrix} .1 = [B = 60^{o}, a = (12\sqrt{2}\sqrt{3} = 29.39), c = (6\sqrt{2}\sqrt{3} + 18\sqrt{2} = 40.15)] \\ .2 = [a = (54\sqrt{2} = 76.37), b = (27\sqrt{2} + 27\sqrt{2}\sqrt{3} = 104.32), c = 54] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 15^{o}, A = 45^{o}, b = (42\sqrt{2}\sqrt{3} = 102.88)] \\ .2 = [B = 60^{o}, C = 75^{o}, a = (18\sqrt{2}\sqrt{3} = 44.09)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 30^{o}, c = (90\sqrt{3} = 155.88), a = 90] \\ .2 = [A = 45^{o}, b = (15\sqrt{2} = 21.21), c = (15 + 15\sqrt{3} = 40.98)] \end{bmatrix}$$

$$No4 = [a = 90, b = (90\sqrt{3} = 155.88), A = 30^{o}]$$

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 TrigonometryExercise7 for No.10071
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$$No1 = \begin{bmatrix} .1 = [a = (33\sqrt{3} - 33 = 24.16), b = 66, c = (33\sqrt{2}\sqrt{3} = 80.83)] \\ .2 = [C = 60^{o}, a = (15\sqrt{2}\sqrt{3} + 45\sqrt{2} = 100.38), b = (30\sqrt{2}\sqrt{3} = 73.48)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 60^{o}, C = 75^{o}, a = (18\sqrt{2}\sqrt{3} = 44.09)] \\ .2 = [C = 45^{o}, B = 15^{o}, a = (45\sqrt{2}\sqrt{3} = 110.23)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 60^{o}, c = (7\sqrt{2}\sqrt{3} + 21\sqrt{2} = 46.84), a = (14\sqrt{2}\sqrt{3} = 34.29)] \\ .2 = [A = 45^{o}, b = (21\sqrt{2}\sqrt{3} = 51.44), c = (21\sqrt{3} - 21 = 15.37)] \end{bmatrix}$$

$$No4 = [a = 78, b = (39\sqrt{2}\sqrt{3} = 95.53), A = 45^{o}]$$

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 TrigonometryExercise7 for No.10088
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$$No1 = \begin{bmatrix} .1 = [B = 60^{o}, a = (22\sqrt{2}\sqrt{3} = 53.89), c = (11\sqrt{2}\sqrt{3} + 33\sqrt{2} = 73.61)] \\ .2 = [a = 72, b = (36\sqrt{2}\sqrt{3} = 88.18), c = (36\sqrt{3} - 36 = 26.35)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 75^{o}, A = 60^{o}, c = (10\sqrt{2}\sqrt{3} = 24.49)] \\ .2 = [B = 30^{o}, C = 30^{o}, a = (36\sqrt{3} = 62.35)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^{o}, a = (90\sqrt{2} = 127.28), b = (45\sqrt{2}\sqrt{3} - 45\sqrt{2} = 46.59)] \\ .2 = [B = 60^{o}, a = (18\sqrt{2}\sqrt{3} = 44.09), c = (9\sqrt{2}\sqrt{3} + 27\sqrt{2} = 60.23)] \end{bmatrix}$$

$$No4 = [a = 72, b = (72\sqrt{3} = 124.71), A = 30^{o}]$$

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TrigonometryExercise7 for No.10385

$$No1 = \begin{bmatrix} .1 = [A = 45^{o}, b = (27\sqrt{3} - 27 = 19.77), c = (27\sqrt{2}\sqrt{3} = 66.14)] \\ .2 = [a = (26\sqrt{2}\sqrt{3} = 63.69), b = 78, c = (13\sqrt{2}\sqrt{3} + 39\sqrt{2} = 87.00)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 75^{o}, A = 60^{o}, b = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [B = 105^{o}, C = 45^{o}, a = (30\sqrt{2} = 42.43)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 45^{o}, b = (18\sqrt{2}\sqrt{3} = 44.09), a = (18 + 18\sqrt{3} = 49.18)] \\ .2 = [B = 30^{o}, c = (30\sqrt{3} = 51.96), a = 30] \end{bmatrix}$$

$$No4 = [a = 84, b = (84\sqrt{3} = 145.49), A = 30^{o}]$$

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TrigonometryExercise7 for No.10387

$$No1 = \begin{bmatrix} .1 = [a = (39\sqrt{2} = 55.15), b = 78, c = (39 + 39\sqrt{3} = 106.55)] \\ .2 = [A = 60^{o}, c = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), b = (24\sqrt{2}\sqrt{3} = 58.79)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 45^{o}, B = 15^{o}, a = (21\sqrt{2}\sqrt{3} = 51.44)] \\ .2 = [A = 30^{o}, B = 105^{o}, c = (36\sqrt{2} = 50.91)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 60^{o}, c = (7\sqrt{2}\sqrt{3} + 21\sqrt{2} = 46.84), b = (14\sqrt{2}\sqrt{3} = 34.29)] \\ .2 = [C = 30^{o}, a = (30\sqrt{2}\sqrt{3} - 30\sqrt{2} = 31.06), b = (60\sqrt{2} = 84.85)] \end{bmatrix}$$

$$No4 = [a = 66, b = (66\sqrt{3} = 114.32), A = 30^{o}]$$

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TrigonometryExercise7 for No.10914

$$No1 = \begin{bmatrix} .1 = [B = 45^{o}, c = (42\sqrt{2} = 59.40), a = (42 + 42\sqrt{3} = 114.75)] \\ .2 = [a = 48, b = (16\sqrt{2}\sqrt{3} = 39.19), c = (8\sqrt{2}\sqrt{3} + 24\sqrt{2} = 53.54)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 30^{o}, C = 105^{o}, b = (60\sqrt{2} = 84.85)] \\ .2 = [B = 45^{o}, A = 15^{o}, c = (21\sqrt{2}\sqrt{3} = 51.44)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 45^{o}, b = (33 + 33\sqrt{3} = 90.16), c = (33\sqrt{2}\sqrt{3} = 80.83)] \\ .2 = [C = 60^{o}, b = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), a = (24\sqrt{2}\sqrt{3} = 58.79)] \end{bmatrix}$$

$$No4 = [a = 78, b = (78\sqrt{3} = 135.10), A = 30^{o}]$$

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TrigonometryExercise7 for No.10945

$$No1 = \begin{bmatrix} .1 = [a = (13\sqrt{2}\sqrt{3} + 39\sqrt{2} = 87.00), b = 78, c = (26\sqrt{2}\sqrt{3} = 63.69)] \\ .2 = [A = 30^{o}, b = (84\sqrt{2} = 118.79), c = (42\sqrt{2}\sqrt{3} - 42\sqrt{2} = 43.48)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 60^{o}, B = 75^{o}, a = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [B = 105^{o}, A = 45^{o}, c = (21\sqrt{2} = 29.70)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 45^{o}, b = (15\sqrt{2} = 21.21), c = (15 + 15\sqrt{3} = 40.98)] \\ .2 = [B = 30^{o}, c = 42, a = (42\sqrt{3} = 72.75)] \end{bmatrix}$$

$$No4 = [a = 66, b = (33\sqrt{2}\sqrt{3} = 80.83), A = 45^{o}]$$

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TrigonometryExercise7 for No.10954

$$No1 = \begin{bmatrix} .1 = [a = 36, b = 36, c = (36\sqrt{3} = 62.35)] \\ .2 = [B = 60^{o}, c = (8\sqrt{2}\sqrt{3} + 24\sqrt{2} = 53.54), a = (16\sqrt{2}\sqrt{3} = 39.19)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 75^{o}, C = 60^{o}, a = (30\sqrt{2}\sqrt{3} = 73.48)] \\ .2 = [A = 45^{o}, C = 15^{o}, b = (15\sqrt{2}\sqrt{3} = 36.74)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 30^{o}, a = (72\sqrt{2} = 101.82), c = (36\sqrt{2} + 36\sqrt{2}\sqrt{3} = 139.09)] \\ .2 = [C = 45^{o}, b = (30\sqrt{2}\sqrt{3} = 73.48), a = (30 + 30\sqrt{3} = 81.96)] \end{bmatrix}$$

$$No4 = [a = 78, b = (78\sqrt{3} = 135.10), A = 30^{o}]$$

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TrigonometryExercise7 for No.10966

$$No1 = \begin{bmatrix} .1 = [a = 84, b = (84\sqrt{2} = 118.79), c = (42\sqrt{2} + 42\sqrt{2}\sqrt{3} = 162.28)] \\ .2 = [B = 45^{o}, a = (39\sqrt{2} = 55.15), c = (39 + 39\sqrt{3} = 106.55)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 30^{o}, C = 15^{o}, b = (54\sqrt{2} = 76.37)] \\ .2 = [A = 75^{o}, C = 45^{o}, b = (45\sqrt{2}\sqrt{3} = 110.23)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 45^{o}, c = (30\sqrt{2}\sqrt{3} = 73.48), b = (30 + 30\sqrt{3} = 81.96)] \\ .2 = [C = 30^{o}, b = (66\sqrt{3} = 114.32), a = 66] \end{bmatrix}$$

$$No4 = [a = 48, b = (24\sqrt{2}\sqrt{3} = 58.79), A = 45^{o}]$$

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TrigonometryExercise7 for No.11154

$$No1 = \begin{bmatrix} .1 = [a = 90, b = (45\sqrt{2} = 63.64), c = (45 + 45\sqrt{3} = 122.94)] \\ .2 = [B = 60^{o}, c = (14\sqrt{2}\sqrt{3} + 42\sqrt{2} = 93.69), a = (28\sqrt{2}\sqrt{3} = 68.59)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 30^{o}, B = 105^{o}, c = (72\sqrt{2} = 101.82)] \\ .2 = [B = 60^{o}, C = 75^{o}, a = (28\sqrt{2}\sqrt{3} = 68.59)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^{o}, b = (60\sqrt{2} = 84.85), a = (30\sqrt{2}\sqrt{3} - 30\sqrt{2} = 31.06)] \\ .2 = [A = 45^{o}, c = (30\sqrt{2}\sqrt{3} = 73.48), b = (30 + 30\sqrt{3} = 81.96)] \end{bmatrix}$$

$$No4 = [a = 42, b = (42\sqrt{3} = 72.75), A = 30^{o}]$$

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TrigonometryExercise7 for No.11191

$$No1 = \begin{bmatrix} .1 = [a = (66\sqrt{3} = 114.32), b = 66, c = 66] \\ .2 = [B = 60^{o}, a = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), c = (24\sqrt{2}\sqrt{3} = 58.79)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 15^{o}, A = 45^{o}, b = (45\sqrt{2}\sqrt{3} = 110.23)] \\ .2 = [C = 30^{o}, B = 15^{o}, a = (66\sqrt{2} = 93.34)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^{o}, b = (15\sqrt{2}\sqrt{3} - 15\sqrt{2} = 15.53), a = (30\sqrt{2} = 42.43)] \\ .2 = [B = 60^{o}, c = (9\sqrt{2}\sqrt{3} + 27\sqrt{2} = 60.23), a = (18\sqrt{2}\sqrt{3} = 44.09)] \end{bmatrix}$$

$$No4 = [a = 36, b = (36\sqrt{3} = 62.35), A = 30^{o}]$$

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TrigonometryExercise7 for No.11309

$$No1 = \begin{bmatrix} .1 = [a = (36\sqrt{2} = 50.91), b = (36 + 36\sqrt{3} = 98.35), c = 72] \\ .2 = [A = 30^o, c = (42\sqrt{2} + 42\sqrt{2}\sqrt{3} = 162.28), b = (84\sqrt{2} = 118.79)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 45^o, C = 75^o, b = (36\sqrt{2}\sqrt{3} = 88.18)] \\ .2 = [C = 30^o, A = 30^o, b = (72\sqrt{3} = 124.71)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 30^o, c = (54\sqrt{3} = 93.53), b = 54] \\ .2 = [C = 45^o, a = (24 + 24\sqrt{3} = 65.57), b = (24\sqrt{2} = 33.94)] \end{bmatrix}$$

$$No4 = [a = 30, b = (30\sqrt{3} = 51.96), A = 30^o]$$

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TrigonometryExercise7 for No.12483

$$No1 = \begin{bmatrix} .1 = [a = (12\sqrt{2}\sqrt{3} + 36\sqrt{2} = 80.31), b = (24\sqrt{2}\sqrt{3} = 58.79), c = 72] \\ .2 = [B = 45^o, c = (30\sqrt{2}\sqrt{3} = 73.48), a = (30\sqrt{3} - 30 = 21.96)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 75^o, C = 60^o, b = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [A = 15^o, B = 30^o, c = (36\sqrt{2} = 50.91)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [A = 30^o, b = (18\sqrt{2} + 18\sqrt{2}\sqrt{3} = 69.55), c = (36\sqrt{2} = 50.91)] \\ .2 = [C = 60^o, a = (10\sqrt{2}\sqrt{3} = 24.49), b = (5\sqrt{2}\sqrt{3} + 15\sqrt{2} = 33.46)] \end{bmatrix}$$

$$No4 = [a = 72, b = (36\sqrt{2}\sqrt{3} = 88.18), A = 45^o]$$

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TrigonometryExercise7 for No.12557

$$No1 = \begin{bmatrix} .1 = [a = 72, b = (72\sqrt{2} = 101.82), c = (36\sqrt{2}\sqrt{3} - 36\sqrt{2} = 37.27)] \\ .2 = [B = 60^o, c = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92), a = (20\sqrt{2}\sqrt{3} = 48.99)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 45^o, B = 15^o, a = (36\sqrt{2}\sqrt{3} = 88.18)] \\ .2 = [A = 60^o, B = 75^o, c = (28\sqrt{2}\sqrt{3} = 68.59)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 60^o, a = (10\sqrt{2}\sqrt{3} = 24.49), b = (5\sqrt{2}\sqrt{3} + 15\sqrt{2} = 33.46)] \\ .2 = [B = 45^o, a = (36\sqrt{2}\sqrt{3} = 88.18), c = (36 + 36\sqrt{3} = 98.35)] \end{bmatrix}$$

$$No4 = [a = 78, b = (39\sqrt{2}\sqrt{3} = 95.53), A = 45^o]$$

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TrigonometryExercise7 for No.12637

$$No1 = \begin{bmatrix} .1 = [a = (72\sqrt{2} = 101.82), b = 72, c = (36\sqrt{2} + 36\sqrt{2}\sqrt{3} = 139.09)] \\ .2 = [C = 60^o, a = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92), b = (20\sqrt{2}\sqrt{3} = 48.99)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 75^o, C = 60^o, a = (24\sqrt{2}\sqrt{3} = 58.79)] \\ .2 = [A = 30^o, C = 105^o, b = (30\sqrt{2} = 42.43)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 30^o, a = (72\sqrt{3} = 124.71), c = 72] \\ .2 = [C = 60^o, b = (12\sqrt{2}\sqrt{3} = 29.39), a = (6\sqrt{2}\sqrt{3} + 18\sqrt{2} = 40.15)] \end{bmatrix}$$

$$No4 = [a = 84, b = (42\sqrt{2}\sqrt{3} = 102.88), A = 45^o]$$

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TrigonometryExercise7 for No.12689

$$No1 = \begin{bmatrix} .1 = [a = (5\sqrt{2}\sqrt{3} + 15\sqrt{2} = 33.46), b = (10\sqrt{2}\sqrt{3} = 24.49), c = 30] \\ .2 = [A = 45^{o}, b = (33\sqrt{2}\sqrt{3} = 80.83), c = (33\sqrt{3} - 33 = 24.16)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 60^{o}, A = 75^{o}, c = (14\sqrt{2}\sqrt{3} = 34.29)] \\ .2 = [C = 45^{o}, A = 75^{o}, b = (18\sqrt{2}\sqrt{3} = 44.09)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 60^{o}, a = (20\sqrt{2}\sqrt{3} = 48.99), b = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92)] \\ .2 = [B = 45^{o}, c = (33 + 33\sqrt{3} = 90.16), a = (33\sqrt{2} = 46.67)] \end{bmatrix}$$

$$No4 = [a = 30, b = (30\sqrt{3} = 51.96), A = 30^{o}]$$

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TrigonometryExercise7 for No.13349

$$No1 = \begin{bmatrix} .1 = [B = 60^{o}, c = (9\sqrt{2}\sqrt{3} + 27\sqrt{2} = 60.23), a = (18\sqrt{2}\sqrt{3} = 44.09)] \\ .2 = [a = 66, b = (33 + 33\sqrt{3} = 90.16), c = (33\sqrt{2} = 46.67)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 30^{o}, A = 30^{o}, b = (66\sqrt{3} = 114.32)] \\ .2 = [A = 60^{o}, C = 75^{o}, b = (28\sqrt{2}\sqrt{3} = 68.59)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 60^{o}, c = (5\sqrt{2}\sqrt{3} + 15\sqrt{2} = 33.46), a = (10\sqrt{2}\sqrt{3} = 24.49)] \\ .2 = [A = 30^{o}, c = (42\sqrt{2} = 59.40), b = (21\sqrt{2}\sqrt{3} - 21\sqrt{2} = 21.74)] \end{bmatrix}$$

$$No4 = [a = 54, b = (27\sqrt{2}\sqrt{3} = 66.14), A = 45^{o}]$$

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TrigonometryExercise7 for No.13519

$$No1 = \begin{bmatrix} .1 = [a = (21 + 21\sqrt{3} = 57.37), b = 42, c = (21\sqrt{2}\sqrt{3} = 51.44)] \\ .2 = [C = 60^{o}, b = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92), a = (20\sqrt{2}\sqrt{3} = 48.99)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 45^{o}, C = 105^{o}, a = (36\sqrt{2} = 50.91)] \\ .2 = [C = 30^{o}, A = 105^{o}, b = (42\sqrt{2} = 59.40)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [B = 45^{o}, c = (33\sqrt{2}\sqrt{3} = 80.83), a = (33 + 33\sqrt{3} = 90.16)] \\ .2 = [A = 30^{o}, b = 78, c = (78\sqrt{3} = 135.10)] \end{bmatrix}$$

$$No4 = [a = 30, b = (30\sqrt{3} = 51.96), A = 30^{o}]$$

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TrigonometryExercise7 for No.14276

$$No1 = \begin{bmatrix} .1 = [a = (66\sqrt{3} = 114.32), b = 66, c = 66] \\ .2 = [A = 60^{o}, b = (20\sqrt{2}\sqrt{3} = 48.99), c = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 45^{o}, C = 105^{o}, a = (45\sqrt{2} = 63.64)] \\ .2 = [C = 30^{o}, B = 15^{o}, a = (54\sqrt{2} = 76.37)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^{o}, a = (54\sqrt{3} = 93.53), b = 54] \\ .2 = [A = 45^{o}, b = (27\sqrt{2} = 38.18), c = (27 + 27\sqrt{3} = 73.77)] \end{bmatrix}$$

$$No4 = [a = 90, b = (90\sqrt{3} = 155.88), A = 30^{o}]$$

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TrigonometryExercise7 for No.14380

$$No1 = \begin{bmatrix} .1 = [a = (8\sqrt{2}\sqrt{3} + 24\sqrt{2} = 53.54), b = (16\sqrt{2}\sqrt{3} = 39.19), c = 48] \\ .2 = [B = 45^o, c = (21\sqrt{2}\sqrt{3} = 51.44), a = (21 + 21\sqrt{3} = 57.37)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [B = 30^o, A = 30^o, c = (42\sqrt{3} = 72.75)] \\ .2 = [B = 45^o, A = 105^o, c = (36\sqrt{2} = 50.91)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 45^o, b = (30\sqrt{2}\sqrt{3} = 73.48), a = (30\sqrt{3} - 30 = 21.96)] \\ .2 = [A = 60^o, c = (9\sqrt{2}\sqrt{3} + 27\sqrt{2} = 60.23), b = (18\sqrt{2}\sqrt{3} = 44.09)] \end{bmatrix}$$

$$No4 = [a = 72, b = (36\sqrt{2}\sqrt{3} = 88.18), A = 45^o]$$

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TrigonometryExercise7 for No.14393

$$No1 = \begin{bmatrix} .1 = [a = (20\sqrt{2}\sqrt{3} = 48.99), b = 60, c = (10\sqrt{2}\sqrt{3} + 30\sqrt{2} = 66.92)] \\ .2 = [C = 30^o, a = 90, b = (90\sqrt{3} = 155.88)] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [A = 105^o, B = 45^o, c = (15\sqrt{2} = 21.21)] \\ .2 = [B = 75^o, A = 60^o, c = (18\sqrt{2}\sqrt{3} = 44.09)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 60^o, a = (15\sqrt{2}\sqrt{3} + 45\sqrt{2} = 100.38), b = (30\sqrt{2}\sqrt{3} = 73.48)] \\ .2 = [B = 30^o, c = (84\sqrt{2} = 118.79), a = (42\sqrt{2}\sqrt{3} - 42\sqrt{2} = 43.48)] \end{bmatrix}$$

$$No4 = [a = 48, b = (24\sqrt{2}\sqrt{3} = 58.79), A = 45^o]$$

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TrigonometryExercise7 for No.14417

$$No1 = \begin{bmatrix} .1 = [A = 30^o, c = (30\sqrt{2} = 42.43), b = (15\sqrt{2}\sqrt{3} - 15\sqrt{2} = 15.53)] \\ .2 = [a = (18\sqrt{2} = 25.46), b = (18 + 18\sqrt{3} = 49.18), c = 36] \end{bmatrix}$$

$$No2 = \begin{bmatrix} .1 = [C = 75^o, A = 60^o, b = (26\sqrt{2}\sqrt{3} = 63.69)] \\ .2 = [B = 105^o, C = 30^o, a = (42\sqrt{2} = 59.40)] \end{bmatrix}$$

$$No3 = \begin{bmatrix} .1 = [C = 30^o, b = (90\sqrt{3} = 155.88), a = 90] \\ .2 = [B = 45^o, c = (27\sqrt{3} - 27 = 19.77), a = (27\sqrt{2}\sqrt{3} = 66.14)] \end{bmatrix}$$

$$No4 = [a = 78, b = (39\sqrt{2}\sqrt{3} = 95.53), A = 45^o]$$

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