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X Math@MUT XXXM5/1-6600307-00009XX
TrigonometryExercise7 for No.9911

$$\begin{aligned} \text{No1} &= \left[\begin{array}{l} .1 = [a = (30 \sqrt{2} \sqrt{3} = 73.48), b = 90, c = (15 \sqrt{2} \sqrt{3} + 45 \sqrt{2} = 100.38)] \\ .2 = [C = 45^\circ, a = (30 + 30 \sqrt{3} = 81.96), b = (30 \sqrt{2} = 42.43)] \end{array} \right] \\ \text{No2} &= \left[\begin{array}{l} .1 = [C = 15^\circ, A = 30^\circ, b = (36 \sqrt{2} = 50.91)] \\ .2 = [B = 75^\circ, C = 60^\circ, a = (20 \sqrt{2} \sqrt{3} = 48.99)] \end{array} \right] \\ \text{No3} &= \left[\begin{array}{l} .1 = [B = 60^\circ, c = (11 \sqrt{2} \sqrt{3} + 33 \sqrt{2} = 73.61), a = (22 \sqrt{2} \sqrt{3} = 53.89)] \\ .2 = [C = 45^\circ, b = (39 \sqrt{3} - 39 = 28.55), a = (39 \sqrt{2} \sqrt{3} = 95.53)] \end{array} \right] \\ \text{No4} &= [a = 66, b = (66 \sqrt{3} = 114.32), A = 30^\circ] \end{aligned}$$

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TrigonometryExercise7 for No.10027

$$\begin{aligned} \text{No1} &= \left[\begin{array}{l} .1 = [C = 60^\circ, a = (14 \sqrt{2} \sqrt{3} = 34.29), b = (7 \sqrt{2} \sqrt{3} + 21 \sqrt{2} = 46.84)] \\ .2 = [a = 84, b = (42 \sqrt{2} \sqrt{3} - 42 \sqrt{2} = 43.48), c = (84 \sqrt{2} = 118.79)] \end{array} \right] \\ \text{No2} &= \left[\begin{array}{l} .1 = [C = 60^\circ, B = 75^\circ, a = (16 \sqrt{2} \sqrt{3} = 39.19)] \\ .2 = [C = 75^\circ, B = 45^\circ, a = (39 \sqrt{2} \sqrt{3} = 95.53)] \end{array} \right] \\ \text{No3} &= \left[\begin{array}{l} .1 = [A = 30^\circ, b = (18 \sqrt{2} + 18 \sqrt{2} \sqrt{3} = 69.55), c = (36 \sqrt{2} = 50.91)] \\ .2 = [C = 45^\circ, a = (30 \sqrt{2} = 42.43), b = (30 + 30 \sqrt{3} = 81.96)] \end{array} \right] \\ \text{No4} &= [a = 42, b = (42 \sqrt{3} = 72.75), A = 30^\circ] \end{aligned}$$

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TrigonometryExercise7 for No.10063

$$\begin{aligned} \text{No1} &= \left[\begin{array}{l} .1 = [a = 72, b = (24 \sqrt{2} \sqrt{3} = 58.79), c = (12 \sqrt{2} \sqrt{3} + 36 \sqrt{2} = 80.31)] \\ .2 = [B = 30^\circ, a = (90 \sqrt{2} = 127.28), c = (45 \sqrt{2} \sqrt{3} - 45 \sqrt{2} = 46.59)] \end{array} \right] \\ \text{No2} &= \left[\begin{array}{l} .1 = [A = 30^\circ, C = 30^\circ, b = (90 \sqrt{3} = 155.88)] \\ .2 = [C = 75^\circ, B = 60^\circ, a = (30 \sqrt{2} \sqrt{3} = 73.48)] \end{array} \right] \\ \text{No3} &= \left[\begin{array}{l} .1 = [B = 30^\circ, a = 90, c = (90 \sqrt{3} = 155.88)] \\ .2 = [C = 60^\circ, a = (22 \sqrt{2} \sqrt{3} = 53.89), b = (11 \sqrt{2} \sqrt{3} + 33 \sqrt{2} = 73.61)] \end{array} \right] \\ \text{No4} &= [a = 54, b = (27 \sqrt{2} \sqrt{3} = 66.14), A = 45^\circ] \end{aligned}$$

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TrigonometryExercise7 for No.10120

$$\begin{aligned} \text{No1} &= \left[\begin{array}{l} .1 = [a = 90, b = (15 \sqrt{2} \sqrt{3} + 45 \sqrt{2} = 100.38), c = (30 \sqrt{2} \sqrt{3} = 73.48)] \\ .2 = [B = 30^\circ, a = (45 \sqrt{2} + 45 \sqrt{2} \sqrt{3} = 173.87), c = (90 \sqrt{2} = 127.28)] \end{array} \right] \\ \text{No2} &= \left[\begin{array}{l} .1 = [B = 45^\circ, C = 75^\circ, a = (30 \sqrt{2} \sqrt{3} = 73.48)] \\ .2 = [B = 75^\circ, C = 60^\circ, a = (10 \sqrt{2} \sqrt{3} = 24.49)] \end{array} \right] \\ \text{No3} &= \left[\begin{array}{l} .1 = [A = 60^\circ, c = (14 \sqrt{2} \sqrt{3} = 34.29), b = (7 \sqrt{2} \sqrt{3} + 21 \sqrt{2} = 46.84)] \\ .2 = [B = 30^\circ, a = (36 \sqrt{2} + 36 \sqrt{2} \sqrt{3} = 139.09), c = (72 \sqrt{2} = 101.82)] \end{array} \right] \\ \text{No4} &= [a = 30, b = (15 \sqrt{2} \sqrt{3} = 36.74), A = 45^\circ] \end{aligned}$$

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