

X Math@MUT XX
TrigonometryExercise8 Answers for No.10052

$$Ans1 = [104\sqrt{3} = 180.133], \quad , \quad Ans2 = [\sqrt{89 - 40\sqrt{2}} = 5.695], \quad , \quad Ans3 = \begin{bmatrix} .1 = (24\sqrt{3} = 41.569) \\ .2 = \left(\arctan\left(\frac{4\sqrt{3}}{17}\right) = 22.173^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 182.448, \quad , \quad Ans5 = 89.788, \quad , \quad Ans6 = 305, \quad , \quad Ans7 = \begin{bmatrix} .I = 219 \\ .2 = 141 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00002XX
TrigonometryExercise8 Answers for No.10064

$$Ans1 = [48\sqrt{3} = 83.138], \quad , \quad Ans2 = [\sqrt{145 - 72\sqrt{3}} = 4.505], \quad , \quad Ans3 = \begin{bmatrix} .1 = (30\sqrt{3} = 51.962) \\ .2 = \left(\arctan\left(\frac{\sqrt{3}}{5}\right) = 19.107^\circ\right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 191.450, \quad , \quad Ans5 = 85.353, \quad , \quad Ans6 = 133, \quad , \quad Ans7 = \begin{bmatrix} .I = 99 \\ .2 = 49 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10076

$$Ans1 = [96 - 32\sqrt{3} = 40.574], \quad , \quad Ans2 = [3\sqrt{5 - 2\sqrt{3}} = 3.718], \quad , \quad Ans3 = \begin{bmatrix} .1 = 78 \\ .2 = \left(\arctan\left(\frac{13}{24}\right) = 28.443^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 162.190, \quad , \quad Ans5 = 93.710, \quad , \quad Ans6 = 275, \quad , \quad Ans7 = \begin{bmatrix} .I = 230 \\ .2 = 148 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

[illegible]

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TrigonometryExercise8 Answers for No.10077

$$Ans1 = [72\sqrt{3} - 72 = 52.708], \quad , \quad Ans2 = [\sqrt{61} = 7.810], \quad , \quad Ans3 = \begin{bmatrix} .1 = (22\sqrt{3} = 38.105) \\ .2 = \left(\arctan\left(\frac{11\sqrt{3}}{60}\right) = 17.617^\circ \right) \end{bmatrix}, \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 172.129, \quad , \quad Ans5 = 88.594, \quad , \quad Ans6 = 270, \quad , \quad Ans7 = \begin{bmatrix} .I = 259 \\ .2 = 183 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10083

$$Ans1 = [68\sqrt{3} = 117.779], \quad , \quad Ans2 = [\sqrt{73} = 8.544], \quad , \quad Ans3 = \begin{bmatrix} .1 = 60 \\ .2 = \left(\arctan\left(\frac{10}{19}\right) = 27.759^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 132.207, \quad , \quad Ans5 = 121.917, \quad , \quad Ans6 = 175, \quad , \quad Ans7 = \begin{bmatrix} .1 = 408 \\ .2 = 313 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10109

$$Ans1 = [56\sqrt{3} = 96.995], \quad , \quad Ans2 = [\sqrt{61} = 7.810], \quad , \quad Ans3 = \begin{bmatrix} .I = 96 \\ .2 = \left(\arctan\left(\frac{2}{3}\right) = 33.690^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.925, \quad , \quad Ans5 = 149.326, \quad , \quad Ans6 = 297, \quad , \quad Ans7 = \begin{bmatrix} .1 = 395 \\ .2 = 280 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10180

$$Ans1 = [126 - 42\sqrt{3} = 53.254], \quad , \quad Ans2 = [\sqrt{85 - 42\sqrt{3}} = 3.501], \quad , \quad Ans3 = \begin{bmatrix} .1 = (22\sqrt{3} = 38.105) \\ .2 = \left(\arctan\left(\frac{11\sqrt{3}}{48}\right) = 21.650^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 181.800, \quad , \quad Ans5 = 148.230, \quad , \quad Ans6 = 224, \quad , \quad Ans7 = \begin{bmatrix} .I = 143 \\ .2 = 82 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10181

$$Ans1 = [120\sqrt{3} - 120 = 87.846], \quad , \quad Ans2 = [\sqrt{34 - 15\sqrt{3}} = 2.832], \quad , \quad Ans3 = \begin{bmatrix} .1 = (22\sqrt{3} = 38.105) \\ .2 = \left(\arctan\left(\frac{11\sqrt{3}}{54}\right) = 19.434^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 161.990, \quad , \quad Ans5 = 78.653, \quad , \quad Ans6 = 148, \quad , \quad Ans7 = \begin{bmatrix} .I = 169 \\ .2 = 85 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00009XX
TrigonometryExercise8 Answers for No.10191

$$Ans1 = [84\sqrt{3} = 145.492], \quad , \quad Ans2 = [\sqrt{61} = 7.810], \quad , \quad Ans3 = \begin{bmatrix} .1 = 72 \\ .2 = \left(\arctan\left(\frac{4}{7}\right) = 29.745^\circ\right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 191.413, \quad , \quad Ans5 = 94.671, \quad , \quad Ans6 = 230, \quad , \quad Ans7 = \begin{bmatrix} .I = 453 \\ .2 = 291 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10281

$$Ans1 = [76\sqrt{3} = 131.636], \quad , \quad Ans2 = [\sqrt{34 - 15\sqrt{2}} = 3.576], \quad , \quad Ans3 = \begin{bmatrix} .1 = 96 \\ .2 = \left(\arctan\left(\frac{16}{21}\right) = 37.304^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 152.299, \quad , \quad Ans5 = 135.117, \quad , \quad Ans6 = 217, \quad , \quad Ans7 = \begin{bmatrix} .I = 292 \\ .2 = 188 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00011XX
TrigonometryExercise8 Answers for No.10437

$$Ans1 = [56\sqrt{3} = 96.995], \quad , \quad Ans2 = [\sqrt{19} = 4.359], \quad , \quad Ans3 = \begin{bmatrix} .I = 96 \\ .2 = \left(\arctan\left(\frac{2}{3}\right) = 33.690^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 161.287, \quad , \quad Ans5 = 78.972, \quad , \quad Ans6 = 234, \quad , \quad Ans7 = \begin{bmatrix} .I = 109 \\ .2 = 77 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10493

$$Ans1 = [48\sqrt{3} = 83.138], \quad , \quad Ans2 = [3\sqrt{10 - 3\sqrt{2}} = 7.198], \quad , \quad Ans3 = \begin{bmatrix} .1 = 72 \\ .2 = \left(\arctan\left(\frac{3}{5}\right) = 30.964^\circ\right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.825, \quad , \quad Ans5 = 68.559, \quad , \quad Ans6 = 278, \quad , \quad Ans7 = \begin{bmatrix} .I = 271 \\ .2 = 136 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10596

$$Ans1 = [114 - 38\sqrt{3} = 48.182], \quad , \quad Ans2 = [\sqrt{85 - 42\sqrt{2}} = 5.060], \quad , \quad Ans3 = \begin{bmatrix} .I = 72 \\ .2 = \left(\arctan\left(\frac{4}{7}\right) = 29.745^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 151.999, \quad , \quad Ans5 = 72.293, \quad , \quad Ans6 = 286, \quad , \quad Ans7 = \begin{bmatrix} .I = 159 \\ .2 = 122 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.10599

$$Ans1 = [108\sqrt{3} - 108 = 79.061], \quad , \quad Ans2 = [\sqrt{74 - 35\sqrt{2}} = 4.950], \quad , \quad Ans3 = \begin{bmatrix} .1 = 72 \\ .2 = \left(\arctan\left(\frac{6}{11}\right) = 28.610^\circ \right) \end{bmatrix}, \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 162.190, \quad , \quad Ans5 = 86.301, \quad , \quad Ans6 = 140, \quad , \quad Ans7 = \begin{bmatrix} .I = 290 \\ .2 = 186 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.11068

$$Ans1 = [78 - 26\sqrt{3} = 32.967], \quad , \quad Ans2 = [4\sqrt{3} = 6.928], \quad , \quad Ans3 = \begin{bmatrix} .1 = (30\sqrt{3} = 51.962) \\ .2 = \left(\arctan\left(\frac{5\sqrt{3}}{26}\right) = 18.422^\circ\right) \end{bmatrix}, \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 151.933, \quad , \quad Ans5 = 141.015, \quad , \quad Ans6 = 132, \quad , \quad Ans7 = \begin{bmatrix} .1 = 299 \\ .2 = 149 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.11423

$$Ans1 = [44 \sqrt{3} = 76.210], \quad , \quad Ans2 = [2 \sqrt{7} = 5.292], \quad , \quad Ans3 = \begin{bmatrix} .1 = (96 \sqrt{3} = 166.277) \\ .2 = \left(\arctan\left(\frac{8 \sqrt{3}}{13}\right) = 46.826^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 161.781, \quad , \quad Ans5 = 85.215, \quad , \quad Ans6 = 156, \quad , \quad Ans7 = \begin{bmatrix} .I = 147 \\ .2 = 113 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00017XX
TrigonometryExercise8 Answers for No.11440

$$Ans1 = [114\sqrt{3} - 114 = 83.454], \quad , \quad Ans2 = [3\sqrt{10 - 3\sqrt{2}} = 7.198], \quad , \quad Ans3 = \begin{bmatrix} .1 = (60\sqrt{3} = 103.923) \\ .2 = \left(\arctan\left(\frac{\sqrt{3}}{2}\right) = 40.893^\circ\right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 181.883, \quad , \quad Ans5 = 104.437, \quad , \quad Ans6 = 186, \quad , \quad Ans7 = \begin{bmatrix} .I = 178 \\ .2 = 126 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.11466

$$Ans1 = [40 \sqrt{3} = 69.282], \quad , \quad Ans2 = [3 \sqrt{3} = 5.196], \quad , \quad Ans3 = \begin{bmatrix} .1 = (66 \sqrt{3} = 114.315) \\ .2 = \left(\arctan\left(\frac{11 \sqrt{3}}{19}\right) = 45.079^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.342, \quad , \quad Ans5 = 104.262, \quad , \quad Ans6 = 126, \quad , \quad Ans7 = \begin{bmatrix} .1 = 144 \\ .2 = 93 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.11863

$$Ans1 = [104\sqrt{3} = 180.133], \quad , \quad Ans2 = [\sqrt{34 - 15\sqrt{3}} = 2.832], \quad , \quad Ans3 = \begin{bmatrix} .1 = (26\sqrt{3} = 45.033) \\ .2 = \left(\arctan\left(\frac{13\sqrt{3}}{69}\right) = 18.073^\circ\right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.757, \quad , \quad Ans5 = 121.678, \quad , \quad Ans6 = 224, \quad , \quad Ans7 = \begin{bmatrix} .1 = 122 \\ .2 = 78 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00020XX
TrigonometryExercise8 Answers for No.11967

$$Ans1 = [156\sqrt{3} - 156 = 114.200], \quad , \quad Ans2 = [\sqrt{37} = 6.083], \quad , \quad Ans3 = \begin{bmatrix} .I = (84\sqrt{3} = 145.492) \\ .2 = \left(\arctan\left(\frac{14\sqrt{3}}{23}\right) = 46.514^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 152.049, \quad , \quad Ans5 = 141.706, \quad , \quad Ans6 = 219, \quad , \quad Ans7 = \begin{bmatrix} .I = 178 \\ .2 = 136 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00021XX
TrigonometryExercise8 Answers for No.13031

$$Ans1 = [114 - 38\sqrt{3} = 48.182], \quad , \quad Ans2 = [\sqrt{145 - 72\sqrt{2}} = 6.571], \quad , \quad Ans3 = \begin{bmatrix} .1 = (96\sqrt{3} = 166.277) \\ .2 = \left(\arctan\left(\frac{8\sqrt{3}}{11}\right) = 51.555^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 172.059, \quad , \quad Ans5 = 62.529, \quad , \quad Ans6 = 117, \quad , \quad Ans7 = \begin{bmatrix} .I = 439 \\ .2 = 282 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.13093

$$Ans1 = [52 \sqrt{3} = 90.067], \quad , \quad Ans2 = [3 \sqrt{7} = 7.937], \quad , \quad Ans3 = \begin{bmatrix} .1 = (84 \sqrt{3} = 145.492) \\ .2 = \left(\arctan\left(\frac{7 \sqrt{3}}{10}\right) = 50.485^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.432, \quad , \quad Ans5 = 74.120, \quad , \quad Ans6 = 209, \quad , \quad Ans7 = \begin{bmatrix} .I = 210 \\ .2 = 161 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00023XX
TrigonometryExercise8 Answers for No.13163

$$Ans1 = [68\sqrt{3} = 117.779], \quad , \quad Ans2 = [3\sqrt{10 - 3\sqrt{2}} = 7.198], \quad , \quad Ans3 = \begin{bmatrix} .1 = (72\sqrt{3} = 124.708) \\ .2 = \left(\arctan\left(\frac{4\sqrt{3}}{7}\right) = 44.705^\circ\right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 181.830, \quad , \quad Ans5 = 78.972, \quad , \quad Ans6 = 213, \quad , \quad Ans7 = \begin{bmatrix} .I = 285 \\ .2 = 143 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00024XX
TrigonometryExercise8 Answers for No.13403

$$Ans1 = [88\sqrt{3} = 152.420], \quad , \quad Ans2 = [\sqrt{65 - 28\sqrt{2}} = 5.040], \quad , \quad Ans3 = \left[\begin{array}{l} .1 = 72 \\ .2 = \left(\arctan\left(\frac{12}{23}\right) = 27.553^\circ \right) \end{array} \right], \quad , \quad \left[\begin{array}{l} M \\ a \\ t \\ h \end{array} \right]$$

$$Ans4 = 141.442, \quad , \quad Ans5 = 126.715, \quad , \quad Ans6 = 189, \quad , \quad Ans7 = \begin{bmatrix} .I = 407 \\ .2 = 204 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX
TrigonometryExercise8 Answers for No.13459

$$Ans1 = [60\sqrt{3} - 60 = 43.923], \quad , \quad Ans2 = [\sqrt{43} = 6.557], \quad , \quad Ans3 = \begin{bmatrix} .1 = 96 \\ .2 = \left(\arctan\left(\frac{16}{27}\right) = 30.651^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 181.817, \quad , \quad Ans5 = 67.002, \quad , \quad Ans6 = 158, \quad , \quad Ans7 = \begin{bmatrix} .1 = 153 \\ .2 = 117 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00026XX
TrigonometryExercise8 Answers for No.13581

$$Ans1 = [44\sqrt{3} = 76.210], \quad , \quad Ans2 = [\sqrt{65 - 28\sqrt{3}} = 4.062], \quad , \quad Ans3 = \begin{bmatrix} .I = 90 \\ .2 = \left(\arctan\left(\frac{15}{22}\right) = 34.287^\circ \right) \end{bmatrix}, \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 151.550, \quad , \quad Ans5 = 42.300, \quad , \quad Ans6 = 121, \quad , \quad Ans7 = \begin{bmatrix} .1 = 167 \\ .2 = 96 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00027XX
TrigonometryExercise8 Answers for No.13668

$$Ans1 = [114\sqrt{3} - 114 = 83.454], \quad , \quad Ans2 = [\sqrt{58 - 21\sqrt{3}} = 4.650], \quad , \quad Ans3 = \begin{bmatrix} .1 = 84 \\ .2 = \left(\arctan\left(\frac{14}{25}\right) = 29.249^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 131.134, \quad , \quad Ans5 = 153.569, \quad , \quad Ans6 = 305, \quad , \quad Ans7 = \begin{bmatrix} .1 = 709 \\ .2 = 456 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX
TrigonometryExercise8 Answers for No.13716

$$Ans1 = [60 - 20\sqrt{3} = 25.359], \quad , \quad Ans2 = [4\sqrt{5 - 2\sqrt{2}} = 5.895], \quad , \quad Ans3 = \begin{bmatrix} .1 = 84 \\ .2 = \left(\arctan\left(\frac{14}{19}\right) = 36.384^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 182.548, \quad , \quad Ans5 = 126.440, \quad , \quad Ans6 = 209, \quad , \quad Ans7 = \begin{bmatrix} .I = 444 \\ .2 = 314 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00029XX
TrigonometryExercise8 Answers for No.13720

$$Ans1 = [114 - 38\sqrt{3} = 48.182], \quad , \quad Ans2 = [\sqrt{21} = 4.583], \quad , \quad Ans3 = \begin{bmatrix} .1 = (32\sqrt{3} = 55.426) \\ .2 = \left(\arctan\left(\frac{8\sqrt{3}}{33}\right) = 22.777^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.800, \quad , \quad Ans5 = 168.457, \quad , \quad Ans6 = 135, \quad , \quad Ans7 = \begin{bmatrix} .1 = 367 \\ .2 = 210 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00030XX
TrigonometryExercise8 Answers for No.14307

$$Ans1 = [88 \sqrt{3} = 152.420], \quad , \quad Ans2 = [\sqrt{73} = 8.544], \quad , \quad Ans3 = \begin{bmatrix} .1 = (84 \sqrt{3} = 145.492) \\ .2 = \left(\arctan\left(\frac{7 \sqrt{3}}{12}\right) = 45.295^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 171.409, \quad , \quad Ans5 = 86.475, \quad , \quad Ans6 = 126, \quad , \quad Ans7 = \begin{bmatrix} .I = 331 \\ .2 = 190 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX
TrigonometryExercise8 Answers for No.14598

$$Ans1 = [72\sqrt{3} = 124.708], \quad , \quad Ans2 = [\sqrt{34 - 15\sqrt{3}} = 2.832], \quad , \quad Ans3 = \begin{bmatrix} .1 = 72 \\ .2 = \left(\arctan\left(\frac{4}{7}\right) = 29.745^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 191.887, \quad , \quad Ans5 = 133.662, \quad , \quad Ans6 = 145, \quad , \quad Ans7 = \begin{bmatrix} .I = 251 \\ .2 = 177 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00032XX
TrigonometryExercise8 Answers for No.14624

$$Ans1 = [114\sqrt{3} - 114 = 83.454], \quad , \quad Ans2 = [2\sqrt{13} = 7.211], \quad , \quad Ans3 = \left[.2 = \left(\arctan\left(\frac{7}{11}\right) = 32.471^\circ \right) \right], \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 171.491, \quad , \quad Ans5 = 127.047, \quad , \quad Ans6 = 191, \quad , \quad Ans7 = \begin{bmatrix} .1 = 192 \\ .2 = 123 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX
TrigonometryExercise8 Answers for No.14641

$$Ans1 = [52 \sqrt{3} = 90.067], \quad , \quad Ans2 = [3 \sqrt{10 - 3 \sqrt{2}} = 7.198], \quad , \quad Ans3 = \begin{bmatrix} .1 = (28 \sqrt{3} = 48.497) \\ .2 = \left(\arctan\left(\frac{14 \sqrt{3}}{75}\right) = 17.917^\circ \right) \end{bmatrix}, \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 191.450, \quad , \quad Ans5 = 129.552, \quad , \quad Ans6 = 217, \quad , \quad Ans7 = \begin{bmatrix} .1 = 272 \\ .2 = 192 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

[illegible]

X Math@MUT XX
TrigonometryExercise8 Answers for No.14681

$$Ans1 = [104 \sqrt{3} = 180.133], \quad , \quad Ans2 = [\sqrt{74 - 35 \sqrt{2}} = 4.950], \quad , \quad Ans3 = \begin{bmatrix} .1 = (72 \sqrt{3} = 124.708) \\ .2 = \left(\arctan\left(\frac{4 \sqrt{3}}{7}\right) = 44.705^\circ \right) \end{bmatrix}, \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 141.492, \quad , \quad Ans5 = 126.367, \quad , \quad Ans6 = 158, \quad , \quad Ans7 = \begin{bmatrix} .I = 104 \\ .2 = 73 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

X Math@MUT XX M5/1-6800308-00035XX
TrigonometryExercise8 Answers for No.14688

$$Ans1 = [120\sqrt{3} - 120 = 87.846], \quad , \quad Ans2 = [\sqrt{130 - 63\sqrt{2}} = 6.396], \quad , \quad Ans3 = \begin{bmatrix} .1 = (72\sqrt{3} = 124.708) \\ .2 = \left(\arctan\left(\frac{12\sqrt{3}}{19}\right) = 47.568^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 161.387, \quad , \quad Ans5 = 94.156, \quad , \quad Ans6 = 270, \quad , \quad Ans7 = \begin{bmatrix} .1 = 643 \\ .2 = 413 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.14703

$$Ans1 = [138\sqrt{3} - 138 = 101.023], \quad , \quad Ans2 = [2\sqrt{7} = 5.292], \quad , \quad Ans3 = \left[.2 = \left(\arctan\left(\frac{12}{23}\right) = 27.553^\circ \right) \right], \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 181.983, \quad , \quad Ans5 = 69.279, \quad , \quad Ans6 = 152, \quad , \quad Ans7 = \begin{bmatrix} .1 = 235 \\ .2 = 166 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.14714

$$Ans1 = [144 - 48\sqrt{3} = 60.862], \quad , \quad Ans2 = [2\sqrt{25 - 12\sqrt{3}} = 4.106], \quad , \quad Ans3 = \begin{bmatrix} .1 = 78 \\ .2 = \left(\arctan\left(\frac{13}{19}\right) = 34.380^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 161.650, \quad , \quad Ans5 = 74.120, \quad , \quad Ans6 = 245, \quad , \quad Ans7 = \begin{bmatrix} .1 = 169 \\ .2 = 97 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.14746

$$Ans1 = [108 - 36\sqrt{3} = 45.646], \quad , \quad Ans2 = [\sqrt{21} = 4.583], \quad , \quad Ans3 = \begin{bmatrix} .I = 66 \\ .2 = \left(\arctan\left(\frac{1}{2}\right) = 26.565^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 171.641, \quad , \quad Ans5 = 133.810, \quad , \quad Ans6 = 149, \quad , \quad Ans7 = \begin{bmatrix} .1 = 576 \\ .2 = 370 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.15000

$$Ans1 = [84\sqrt{3} = 145.492], \quad , \quad Ans2 = [3\sqrt{5 - 2\sqrt{3}} = 3.718], \quad , \quad Ans3 = \begin{bmatrix} .1 = (78\sqrt{3} = 135.100) \\ .2 = \left(\arctan\left(\frac{13\sqrt{3}}{22}\right) = 45.665^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 191.534, \quad , \quad Ans5 = 86.213, \quad , \quad Ans6 = 215, \quad , \quad Ans7 = \begin{bmatrix} .I = 554 \\ .2 = 356 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

[illegible]

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TrigonometryExercise8 Answers for No.15012

$$Ans1 = [150\sqrt{3} - 150 = 109.808], \quad , \quad Ans2 = [2\sqrt{7} = 5.292], \quad , \quad Ans3 = \left[\begin{array}{l} .1 = (20\sqrt{3} = 34.641) \\ .2 = \left(\arctan\left(\frac{10\sqrt{3}}{57}\right) = 16.902^\circ \right) \end{array} \right], \quad , \quad \left[\begin{array}{c} M \\ a \\ t \\ h \end{array} \right]$$

$$Ans4 = 181.833, \quad , \quad Ans5 = 101.525, \quad , \quad Ans6 = 177, \quad , \quad Ans7 = \begin{bmatrix} .1 = 149 \\ .2 = 74 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.15024

$$Ans1 = [64\sqrt{3} = 110.851], \quad , \quad Ans2 = [\sqrt{39} = 6.245], \quad , \quad Ans3 = \begin{bmatrix} .1 = (22\sqrt{3} = 38.105) \\ .2 = \left(\arctan\left(\frac{11\sqrt{3}}{48}\right) = 21.650^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 151.780, \quad , \quad Ans5 = 121.995, \quad , \quad Ans6 = 198, \quad , \quad Ans7 = \begin{bmatrix} .1 = 137 \\ .2 = 88 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

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TrigonometryExercise8 Answers for No.15032

$$Ans1 = [78\sqrt{3} - 78 = 57.100], \quad , \quad Ans2 = [\sqrt{97 - 36\sqrt{2}} = 6.789], \quad , \quad Ans3 = \begin{bmatrix} .1 = (28\sqrt{3} = 48.497) \\ .2 = \left(\arctan\left(\frac{2\sqrt{3}}{9}\right) = 21.052^\circ \right) \end{bmatrix}, \quad , \quad \begin{bmatrix} M \\ a \\ t \\ h \end{bmatrix}$$

$$Ans4 = 181.930, \quad , \quad Ans5 = 159.961, \quad , \quad Ans6 = 305, \quad , \quad Ans7 = \begin{bmatrix} .1 = 409 \\ .2 = 263 \end{bmatrix}, \quad , \quad \begin{bmatrix} @ \\ M \\ U \\ T \end{bmatrix}$$

[illegible]