

Answers to CW Using Similar Right Triangles (ID: 1)

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|-----------------|-----------------|----------------|-----------------|
| 1) $9\sqrt{65}$ | 2) $4\sqrt{33}$ | 3) $2\sqrt{5}$ | 4) $50\sqrt{3}$ |
| 5) 36 | 6) 4 | 7) 49 | 8) 16 |
| 9) 11 | 10) 25 | | |

Answers to CW Special Right Triangles (ID: 1)

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|--|--------------------------------|----------------------------------|---|
| 1) $u=6, v=3\sqrt{2}$ | 2) $x=2\sqrt{2}, y=2$ | 3) $x=5, y=\frac{5\sqrt{2}}{2}$ | 4) $m=\frac{3\sqrt{2}}{2}, n=\frac{3\sqrt{2}}{2}$ |
| 5) $x=8, y=4\sqrt{2}$ | 6) $x=4, y=2\sqrt{2}$ | 7) $x=2\sqrt{2}, y=2\sqrt{2}$ | 8) $a=\sqrt{2}, b=\sqrt{2}$ |
| 9) $x=5\sqrt{2}, y=5\sqrt{2}$ | 10) $m=4\sqrt{3}, n=4\sqrt{3}$ | 11) $a=\frac{4\sqrt{3}}{3}, b=2$ | 12) $u=10, v=5\sqrt{3}$ |
| 13) $a=\frac{8\sqrt{6}}{3}, b=\frac{4\sqrt{6}}{3}$ | 14) $x=8, y=4\sqrt{3}$ | 15) $x=6\sqrt{3}, y=6$ | |
| 16) $u=12, v=6\sqrt{3}$ | 17) $x=6, y=3\sqrt{3}$ | 18) $x=18, y=9\sqrt{3}$ | 19) $u=8\sqrt{3}, v=8$ |
| 20) $x=5, y=\frac{5}{2}$ | | | |

Answers to 7-5 & 7-6 HW Trig (ID: 1)

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|--------------------|---------------------|---------------------|--------------------|
| 1) $\frac{3}{5}$ | 2) $\frac{4}{5}$ | 3) $\frac{3}{5}$ | 4) $\frac{12}{37}$ |
| 5) $\frac{9}{41}$ | 6) $\frac{5}{13}$ | 7) $\frac{20}{21}$ | 8) $\frac{4}{5}$ |
| 9) $\frac{12}{5}$ | 10) $\frac{24}{25}$ | 11) $\frac{15}{17}$ | 12) $\frac{4}{5}$ |
| 13) $\frac{5}{13}$ | 14) $\frac{3}{5}$ | 15) $\frac{3}{4}$ | 16) 0.3420 |
| 17) 4.3315 | 18) 0.1219 | 19) 0.3839 | 20) 57.2900 |
| 21) 0.1564 | 22) 0.9877 | 23) 0.8988 | 24) 0.6561 |
| 25) 0.9903 | | | |