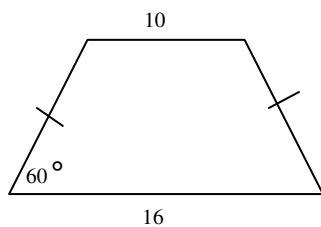
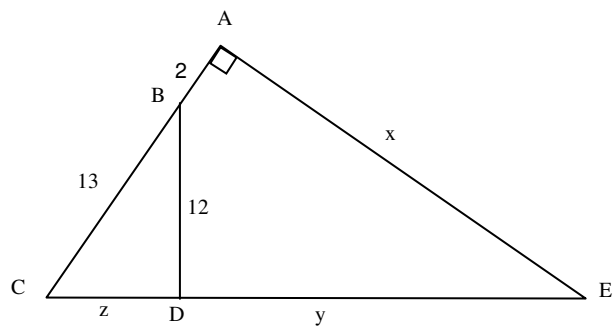


ADDITIONAL REVIEW CH 8 RIGHT TRIANGLES II

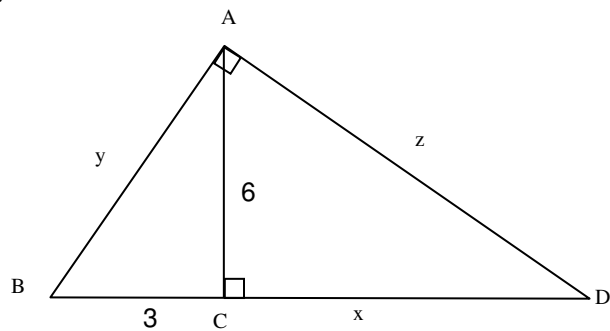
- 1) Find the perimeter of the isosceles trapezoid.



- 2) Given: $\overline{AC} \perp \overline{AE}$, $\overline{BD} \perp \overline{CD}$, sides as marked.
Find: x, y, z

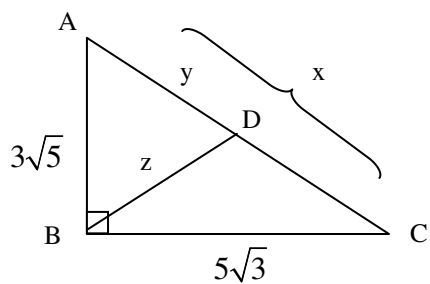


- 3) Given: $\overline{AC} \perp \overline{BD}$, $\overline{AB} \perp \overline{AD}$, sides as marked. Find: x _____, y _____, z _____

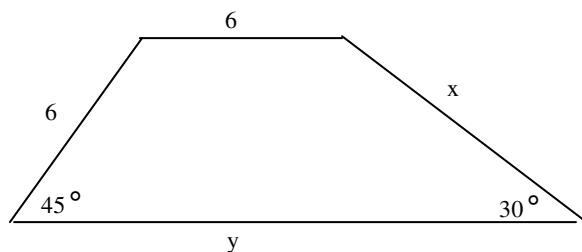


4) Given: $\overline{AB} \perp \overline{BC}$, $\overline{BD}$ is a median, sides as marked.

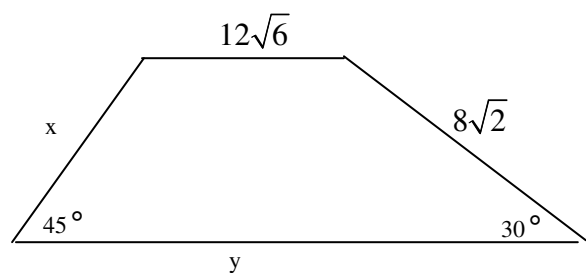
Find: x _____, y _____, z _____.



5) Given: $\overline{AB} \parallel \overline{CD}$, sides as marked. Find: x _____, y _____.

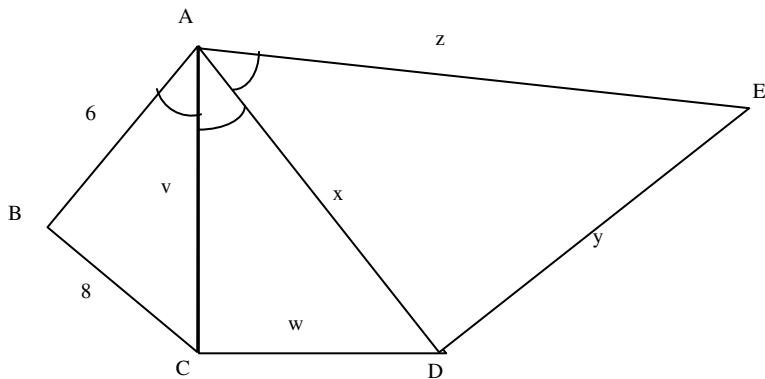


6) Given: trapezoid with sides as marked. Find: x _____, y _____.

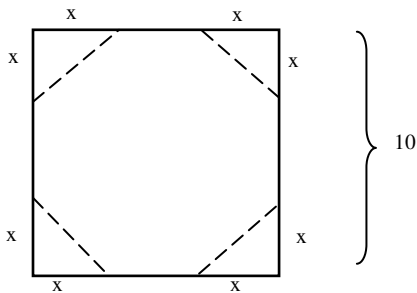


7) Given: Three right triangles with three congruent angles.

Find: v _____, w _____, x _____, y _____, z _____



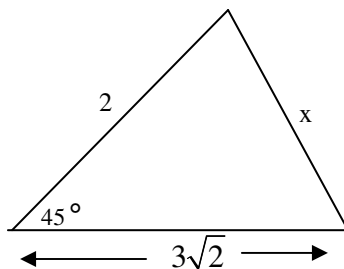
8) Given: If the corners are cut off a 10" square to form a regular octagon as shown, find x _____.



9) A rhombus has a 60° angle and a 12" side. How long are it's diagonals?

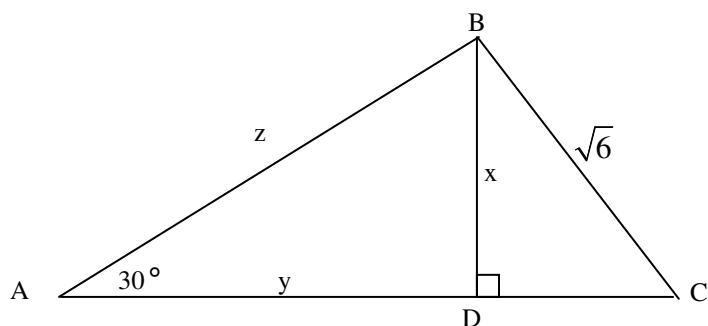
10) Find the perimeter of a square if one of it's diagonals is $6\sqrt{6}$.

11) Given: figure as marked. Find: x _____



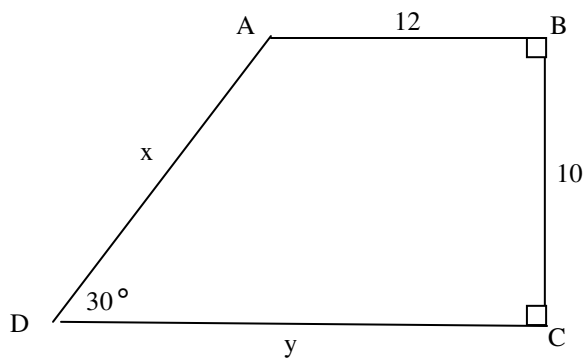
12) Given: $\overline{BD} \perp \overline{AC}$, $BD = CD$, sides as marked.

Find: x _____, y _____, z _____.

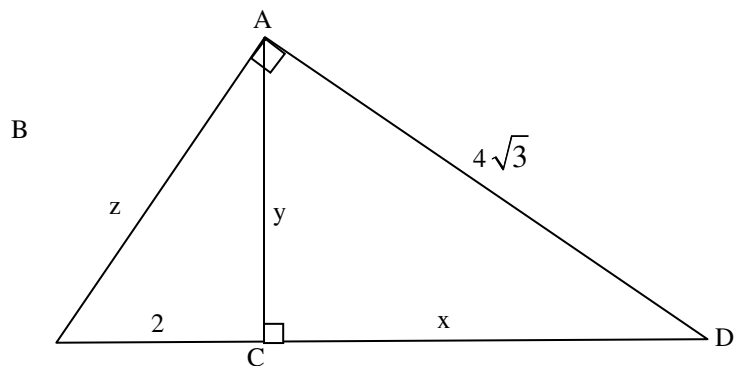


13) Given: $\overline{AB} \parallel \overline{CD}$, $\overline{AB} \perp \overline{BC}$, $\overline{BC} \perp \overline{CD}$, sides as marked.

Find: x _____, y _____.



14) Given: $\overline{AB} \perp \overline{AD}$, $\overline{AC} \perp \overline{BD}$, sides as marked. Find x _____, y _____, z _____.



Ch 8 Additional Review II Answers

1) $P = 38$

2) $x = 36, y = 34$

3) $x = 12, y = 3\sqrt{5}, z = 6\sqrt{5}$

4) $x = 2\sqrt{30}, y = \sqrt{30}, z = \sqrt{30}$

5) $x = 6\sqrt{2}, y = 6 + 3\sqrt{2} + 3\sqrt{6}$

6) $x = 8, y = 4\sqrt{2} + 16\sqrt{6}$

7) $v = 10, w = \frac{40}{3}, x = \frac{50}{3}, y = \frac{200}{9}, z = \frac{250}{9}$

8) $x = 10 - 5\sqrt{2}$

9) $12, 12\sqrt{3}$

10) $P = 24\sqrt{3}$

11) $x = \sqrt{10}, y = 2\sqrt{2}$

12) $x = \sqrt{3}, y = 3, z = 2\sqrt{3}$

13) $x = 20, y = 12 + 10\sqrt{3}$

14) $x = 6, y = 2\sqrt{3}, z = 4$