

8-3 Skills Practice

Special Right Triangles

Find x .

$$25\sqrt{2}$$



$$8.5\sqrt{2} \text{ or } \frac{17\sqrt{2}}{2}$$



$$48\sqrt{2}$$



$$50\sqrt{2}$$



$$100\sqrt{2}$$



$$44\sqrt{2}$$

7. Determine the length of the leg of 45° - 45° - 90° triangle with a hypotenuse length of 26 .

8. Find the length of the hypotenuse of a 45° - 45° - 90° triangle with a leg length of 50 centimeters.

$$50\sqrt{2} \text{ cm}$$

Find x and y .

$$22; 11\sqrt{3}$$



$$12; 4\sqrt{3}$$



$$15; 10\sqrt{3}$$



$$15; 15\sqrt{3}$$



$$42; 21$$



$$78; 26\sqrt{3}$$

15. An equilateral triangle has an altitude length of 27 feet. Determine the length of a side of the triangle.

$$18\sqrt{3}$$

16. Find the length of the side of an equilateral triangle that has an altitude length of $11\sqrt{3}$ feet.

$$22$$

Practice 8 2 Special Right Triangles Form G

Grace M. Burton, Harcourt Brace

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