

Practice 7-4

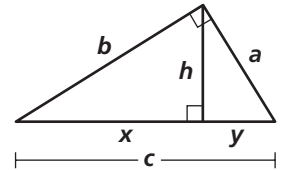
Similarity in Right Triangles

Algebra Find the geometric mean of each pair of numbers.

1. 32 and 8 _____
2. 4 and 16 _____
3. 10 and 20 _____
4. 6 and 30 _____

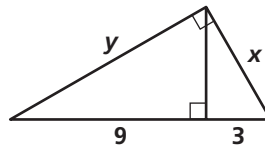
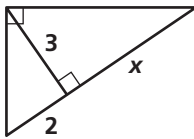
Algebra Refer to the figure to complete each proportion.

5. $\frac{x}{h} = \frac{?}{y}$ _____
6. $\frac{a}{b} = \frac{?}{h}$ _____
7. $\frac{a}{c} = \frac{y}{?}$ _____
8. $\frac{b}{x} = \frac{?}{b}$ _____

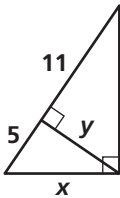


Algebra Find the values of the variables.

9. $x =$ _____
10. $x =$ _____, $y =$ _____



11. $x =$ _____, $y =$ _____



12. The altitude to the hypotenuse of a right triangle divides the hypotenuse into segments 6 in. and 10 in. long. Find the length h of the altitude.

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