Practice 8-4 **Similarity in Right Triangles** Algebra Find the geometric mean of each pair of numbers. **1.** 32 and 8 **2.** 4 and 16 **3.** 11 and 7 **4.** 2 and 22 **5.** 10 and 20 **6.** 6 and 30 Algebra Refer to the figure to complete each proportion. **8.** $\frac{a}{b} = \frac{?}{h}$ **7.** $\frac{x}{h} = \frac{?}{y}$ **9.** $\frac{a}{b} = \frac{h}{?}$ **10.** $\frac{a}{c} = \frac{y}{2}$ **11.** $\frac{a}{c} = \frac{h}{?}$ **12.** $\frac{b}{x} = \frac{?}{b}$ х Algebra Find the values of the variables. 13. 14. 15. 8 5 12 3 17. 18. 16. 15 25 19. 20. 21. x 2

22. 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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