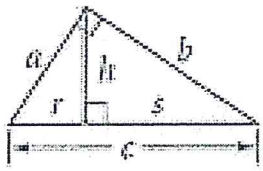
Algebra **Find the geometric mean of each pair of numbers.**

1. 4 and 9
2. 4 and 10
3. 4 and 12
4. 3 and 48
5. 7 and 56
6. 5 and 125
7. 9 and 24
8. 7 and 9

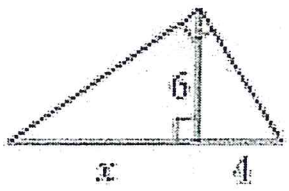
Algebra **Refer to the figure to complete each proportion.**

9. $\frac{r}{h} = \frac{h}{\square}$
10. $\frac{c}{a} = \frac{a}{\square}$
11. $\frac{\square}{b} = \frac{b}{s}$
12. $\frac{r}{\square} = \frac{\square}{c}$
13. $\frac{r}{h} = \frac{\square}{s}$
14. $\frac{s}{b} = \frac{\square}{c}$



Algebra **Solve for x.**

15.



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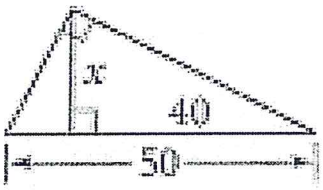

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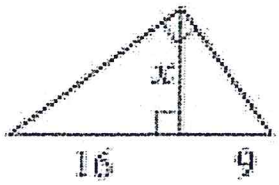
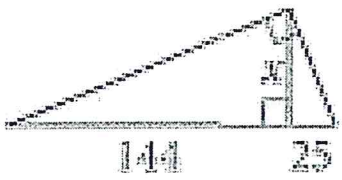


20.



21. a. Civil Engineering Study the plan at the right. A service station will be built on the highway, and a road will connect it with Cray. How far from Blare should the service station be located so that the proposed road will be perpendicular to the highway?

b. How long will the new road be?