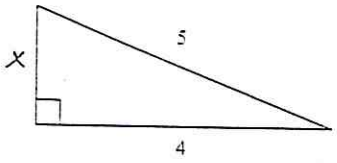
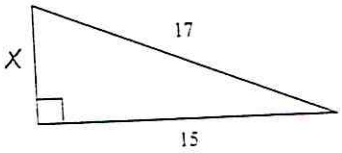
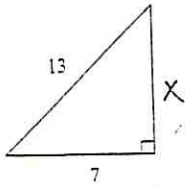
Geometry
Ch. 8 Final Review

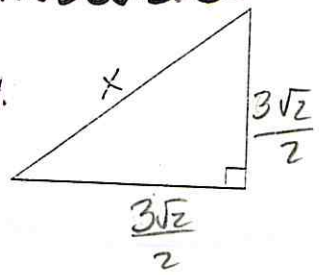
SHOW ALL WORK - NOT JUST ANSWERS

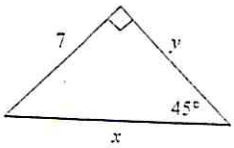
Find the value of the variable(s). Use simple radical form.

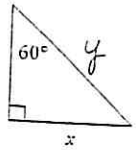
1. 

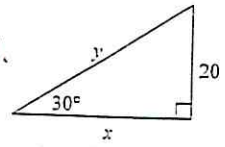
2. 

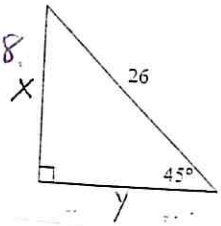
3. 

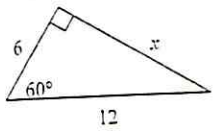
4. 

5. 

6. 

7. 

8. 

9. 

The lengths of the sides of a triangle are given. Classify each triangle as acute, right, or obtuse. Show why they do actually make a Δ

10. 9, 7, and 12.

11. 15, 20, 25

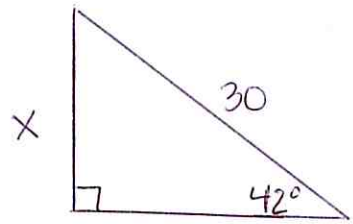
12. 6, 7, 8

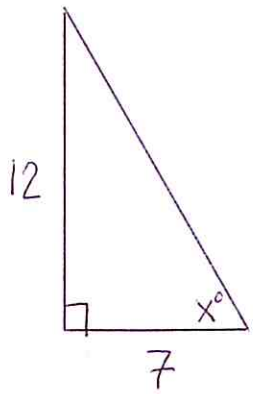
Find the value of x. If x is a side length, round to the nearest tenth. If x is an angle, round to the nearest degree.

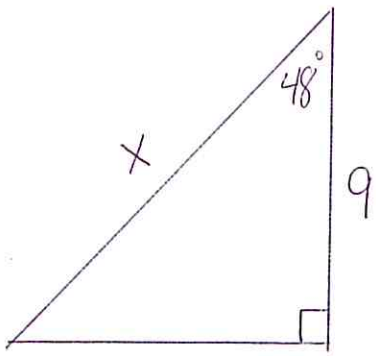
13. $\sin 38° = \frac{x}{15}$

14. $\cos x = \frac{9}{17}$

15. $\tan 67° = \frac{10}{x}$

16. 

17. 

18. 

* You must set up and solve equations for 16-18.

Figures are NOT drawn to scale.