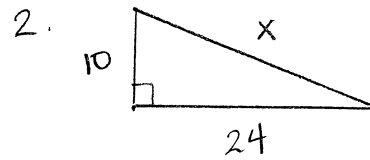
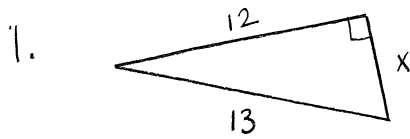
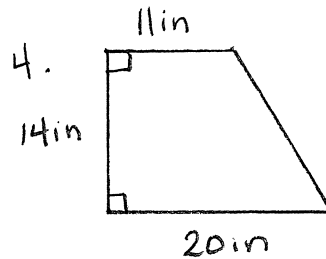
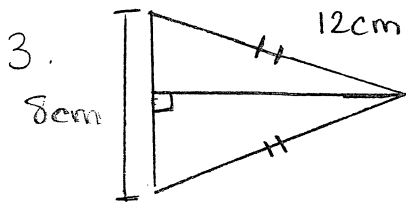


Chapter 7.1:

Find the unknown side length. Simplify answers that are radicals.



Find the area of the figure. Round decimal answers to the nearest tenth.



Chapter 7.2:

Decide whether the numbers can represent a triangle. If they can, classify it as acute, obtuse or right.

5. 5, 13, 12

6. $\sqrt{8}$, 4, 6

7. 28, 21, 20

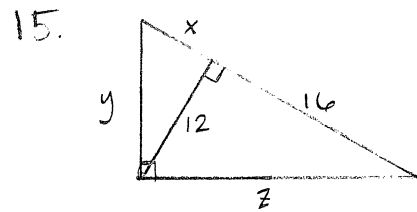
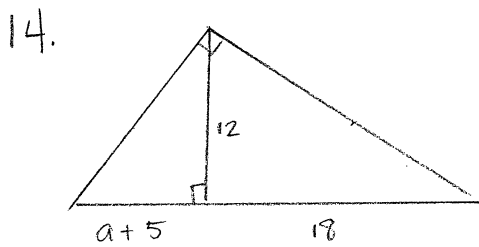
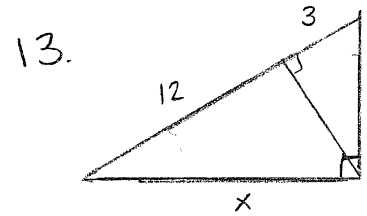
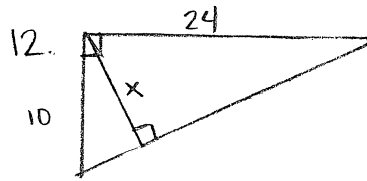
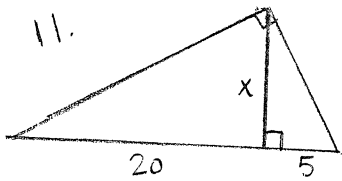
8. 15, 39, 36

9. $\sqrt{13}$, 10, 12

10. 40, 50, 14

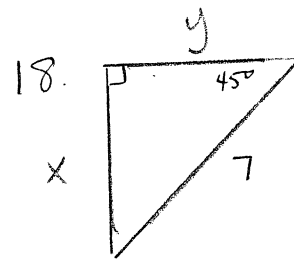
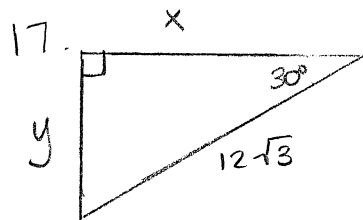
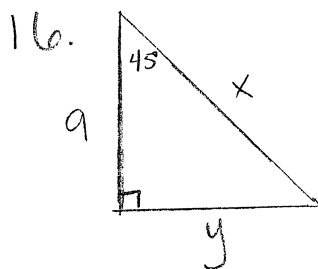
Chapter 7.3:

Find the value of x . Round decimals to the nearest tenth.

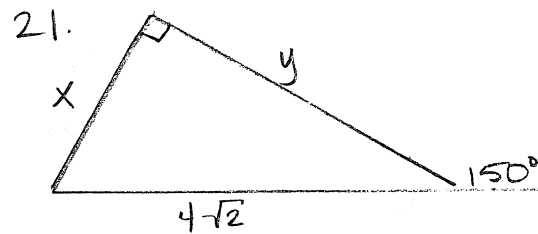
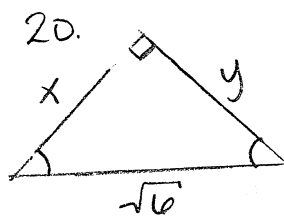
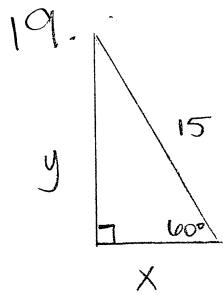


Chapter 7.4:

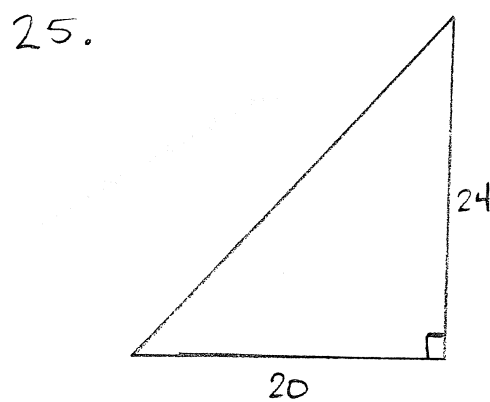
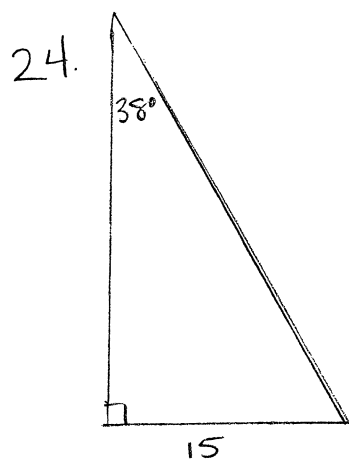
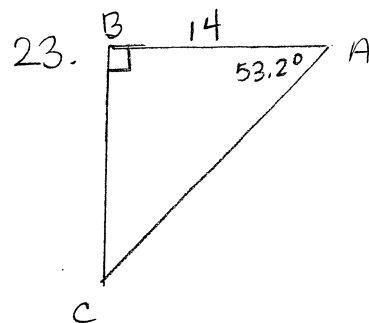
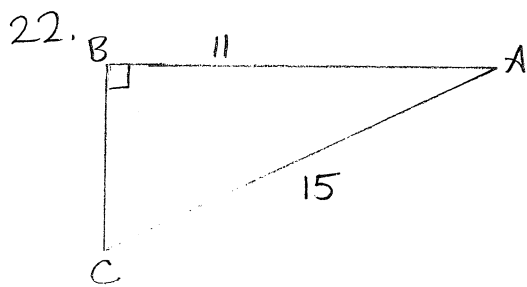
Find the value of x and y . Write your answer in simplest radical form.



Continued...

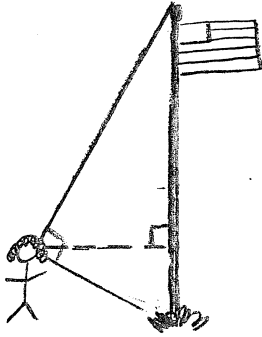


Chapter 7.5-7.7: Solve each triangle. Round answers to the nearest tenth.



Word Problems:

26. Julie is 6 ft tall. If she stands 15 ft from the flagpole and holds a cardboard square, the edges of the square line up with the top and bottom of the flagpole. Approximate the height of the flagpole.



27. The length of a hill in your neighborhood is 2000 ft. The height of the hill is 750 ft. What is the angle of elevation of the hill?

