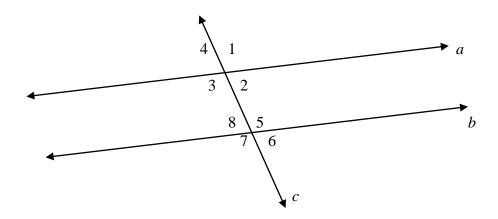
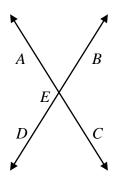
Given the following picture, with \ddot{a} // \ddot{b} , and \ddot{c} is a transversal:



Identify the following pairs of angles:

Using the same picture as above, given $m\angle 2 = 70^{\circ}$, find:

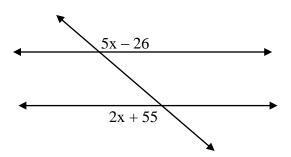
Using the following picture, name the 3 pairs of congruent angles.



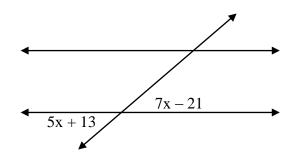
Directions for problems 16 - 17.

- a. Name each pair of labeled angles.
- b. State the relationship between the angles.
- c. Solve for *x* by making an equation and solving algebraically.
- d. Find the measure of each angle.

16.

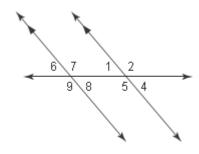


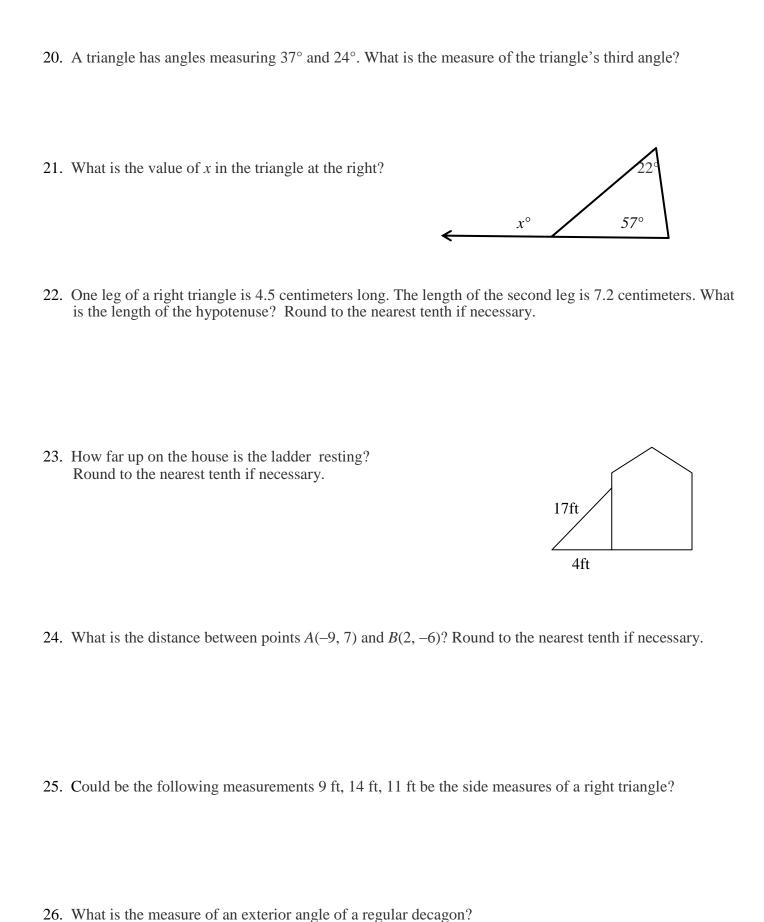
17.



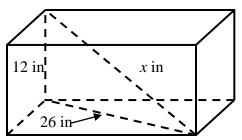
For Exercises 18 and 19, use the figure at the right.

- 18. What is $m \ge 6$ if $m \ge 5 = 120^{\circ}$?
- 19. If $m \ge 7 = 115^{\circ}$, what is $m \ge 1$?





28. Willa wants to mail a frame in the box shown at the right. Find the length of the diagonal of the box. Round to the nearest tenth if necessary.



29. Find the value of x.

