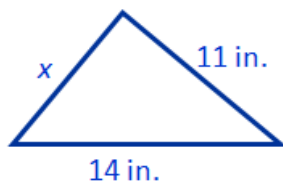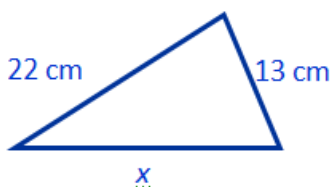**Name:** _____

Solving Equations Using Addition or Subtraction

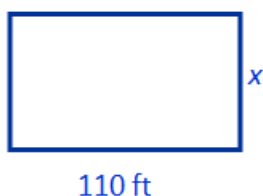**Find the value of *x* for the given triangle or rectangle.**

1) Perimeter = 34 in.

2) Perimeter = 59 cm

3) Perimeter = 352 ft

4) In 1628, the Swedish ship Vasa sank in Stockholm Harbor in 105 feet of water. In 1959, salvagers used pontoons and cables to move the Vasa to a shallower depth of 50 feet. Underwater repairs were then made to strengthen the ship, and in 1961 the Vasa was lifted to the surface.

   a. Find the change in the Vasa's position with respect to sea level as a result of the salvage work done in 1959.

   b. Find the number of years the Vasa remained underwater.

5) You are making a quilt and have $150 to spend on materials. To make the main body of the quilt, you buy 5 yards of solid-color fabric for $4 per yard and 12 yards of printed fabric for $8 per yard. You also buy 2 yards of batting (material used to stuff the quilt) for $11 per yard. How much can you spend on fabric for a decorative border?