Name _____ Period _____

Draw a line to match each word sentence with an equation.

Write the word sentence as an equation.

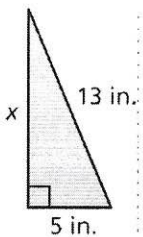| |
|---|
| $\dfrac{x}{3} = 12$ |
| $550 + x = 1250$ |
| $x + 5 = 14$ |
| $x - 13 = 15$ |
| $24 = 4 + x$ |

1. The sum of a number x and 5 equals 14.

2. A number x decreased by 6 is 5.

3. 7 times a number x is 42.

4. A number x divided by 8 equals 11.

5. 24 equals 4 more than a number x.

6. 9 is one-third of a number x.

7. 12 is the quotient of a number x and 3.

8. 13 less than a number x equals 15.

9. You throw a football 20 yards. Your friend throws the same football x yards. The football was thrown a total distance of 50 yards. Write an equation you can use to find the distance x that your friend threw the football.

10. Students raised $550 by having a car wash. They need $1250. Write an equation you can use to find the amount x that the students still need to raise.
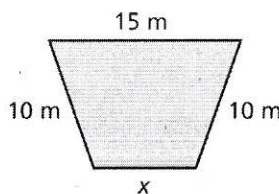
$\dfrac{x}{8} = 11$
$20 + x = 50$
$7x = 42$
$9 = \dfrac{1}{3}x$
$x - 6 = 5$

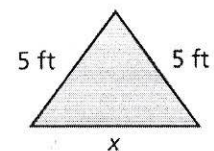**Write an addition equation that can be used to find the value of x.**

11. Perimeter = 30 in.

12. Perimeter = 43 m

13. Perimeter = 16 ft

14. A crew is picking up chairs in the gymnasium after an event. After clearing 217 chairs from the gym floor, 36 chairs still remain. Write an equation you can use to find the number of chairs placed on the gym floor for the event.