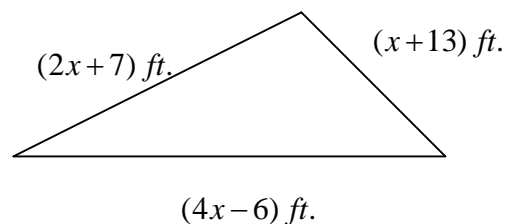


**Write and solve an equation to solve the following word problems Do your work on a separate piece of paper.**

1. The sum of a number and 24 is equal to 70. Find the number.
2. The product of some number and 8 yields 56. Find the number.
3. Twice a number increased by 12 is the same as -28.
4. 30 is equal to four times a number decreased by 2.
5. The quotient of some number and -4, increased by 14 is 18.
6. Twice the sum of a number and 6 yields -20.
7. Emily and Kyle were selling magazine orders. Kyle sold 32 orders more than Emily did. Altogether, they sold 140 orders. How many did each one sell? (Hint: call the number of magazine orders sold by Emily  $E$ .)
8. The length of a rectangle is 4 more than the width. If the perimeter is 96 meters, find the length and width. Remember, there are four sides to a rectangle. (Let the width be  $w$ ).
9. If the perimeter of the triangle is 91 feet, find the length of each side.



10. Find four consecutive numbers that have a sum of 98. (Hint: If the first consecutive number is  $x$ , then the second consecutive number would be  $x + 1$ .)