Fill in the blanks to solve each equation.

1. \[ 8 = 5n - 2 \]
   \[ + 2 \quad + \quad \] \[ - ____ = 3 \]
   \[ ____ = 5n \]
   \[ ____ = n \]

2. \[ 2d + 3 = 11 \]
   \[ - ____ = 3 \]
   \[ ____ = 2d \]
   \[ d = ____ \]

3. \[ 3(b + 7) = 30 \]
   \[ - 21 = 3b \]
   \[ b = ____ \]

Solve each equation. Check your answers.

4. \[ 4t + 13 = 5 \]

5. \[ 6.3 = 2x - 4.5 \]

6. \[ 12 = -r - 11 \]

7. \[ -5y + 6 = -9 \]

8. \[ -1 = \frac{b}{4} - 7 \]

9. \[ \frac{5}{8} = 2m + \frac{3}{8} \]

10. \[ x - 4 + 2x = 14 \]

11. \[ 4(y + 1) = -8 \]

12. \[ -2(d + 6) = -10 \]

13. If \( 7x + 5 = -2 \), find the value of \( 8x \).

The sum of the measures of the angles shown is \( 90^\circ \).

14. Write an equation to determine the value of \( x \).

15. Find the value of \( x \).