Name: _____   **Date:** _____

1. Solve for x: $0.6x + 1.5 = 3.9$

2. Solve for x: $\frac{2}{5}x - 7 = -3$

3. Solve for x: $5x - 2(x + 1) = 10$.

4. Solve for x: $3(2 - x) = 8(x - 2)$

5. The solution set of the equation $x^2 - 4x = 0$ is

   A. $\{0, 4\}$ B. $\{4, -4\}$

   C. $\{-4\}$ D. $\{4\}$

6. What is the solution set of the equation $x^2 - 3x - 10 = 0$?

   A. $(5, -2)$ B. $(-5, -2)$

   C. $(5, 2)$ D. $(-5, 2)$

7. Solve for x: $\frac{x - 1}{4} = \frac{1}{2}$

8. Solve for x: $\frac{3}{x + 2} = \frac{1}{x}$, $x \neq 0$, $x \neq -2$

9. Solve for a in terms of b and c: $3a + 4b = c$

10. Solve for r in terms of C and π: $C = 2\pi r$

11. If $dx - 2 = h$, then x is equal to

    A. $h + \frac{2}{d}$ B. $\frac{h - 2}{d}$ C. $\frac{h + 2}{d}$ D. $\frac{h}{d} + 2$

12. Solve for x: $\sqrt{3x - 5} = 5$

13. Solve for x: $3\sqrt{2x + 5} - 15 = 0$

14. If $4\sqrt{5} = \sqrt{n}$, the value of n is

    A. 10   B. 20   C. 80   D. 100

1.
Answer: 4

2.
Answer: 10

3.
Answer: 4

4.
Answer: 2

5.
Answer: A

6.
Answer: A

7.
Answer: 3

8.
Answer: 1

9.
Answer: $\frac{c-4b}{3}$

10.
Answer: $\dfrac{C}{2\pi}$

11.
Answer: C

12.
Answer: 10

13.
Answer: 10

14.
Answer: C