

Chapter 11 Test

1. Solve: $\frac{x}{5} - 12 = 7$
2. Solve: $x - 12 = 14$
3. Simplify: $3y - 2x - 7y - 9x$
4. Solve: $8 - 3x = 2x - 8$
5. Solve: $3x - 12 = -18$
6. Evaluate $c^2 - (2a + b^2)$ when $a = 3$, $b = -6$, and $c = -2$.
7. Is 3 a solution of the equation $x^2 + 3x - 7 = 3x - 2$?
8. Simplify: $9 - 8ab - 6ab$
9. Solve: $-5x = 14$
10. Simplify: $3y + 5(y - 3) + 8$
11. Solve: $3x - 4(x - 2) = 8$
12. Solve: $5 = 3 - 4x$
13. Evaluate $\frac{x^2}{y} - \frac{y^2}{x}$ for $x = 3$ and $y = -2$.
14. Solve: $\frac{5}{8}x = -10$
15. Solve: $y - 4y + 3 = 12$
16. Solve: $2x + 4(x - 3) = 5x - 1$