

3.2 Solving Equations: Review of the Addition and Multiplication Properties

1. Simplify (use distributive property, combine like term) each side of equation.
2. Use property of equality to isolate the variable term.
3. Use property of equality to isolate the variable.

Ex 1. Solve: $a + 6 = 1 - 3$.

Ex 2. Solve: $10 = 2b - 4b$.

Ex 3. Solve: $-8 + 6 = \frac{c}{3}$.

Ex 4. Solve: $-6d - 1 + 7d = 17 + 2$.

Ex 5. Solve: $-4 - 10 = 4e - 5e$.

Ex 6. Solve: $13f = 4(3f - 1)$.

Ex 7. Solve: $-3(3g - 5) = -10$

Ex 8. Solve: $-2h + 6 = 18$.

Ex 9. Solve: $5j + 2 = 17$

Ex 10. Solve: $-4(k + 2) - 60 = 2 - 10$.

Ex 11. Solve: $2 - 6 = -5(x + 4) - 39$