Name _____

Literal Equations

Solving a Formula or Literal Equation

Step 1 If necessary, multiply both sides of the equation by the same term to clear the equation of fractions.

Step 2 Add or subtract the same term on both sides of the equation so that all terms involving the variable that you are solving for are on one side of the equation and all other terms are on the other side.

Step 3 Divide both sides of the equation by the coefficient of the variable that you are solving for.

1) Solve $v = a + gt$ for t.

2) $A = P + Prt$ for r.

3) $x = \dfrac{a + b}{2}$ for b.

4) $V = \dfrac{KT}{P}$ for T

5) $S = \dfrac{1}{2} g t^2$ for g

6) $K = \dfrac{1}{2} m v^2$ for m.

7) $V = \dfrac{1}{3} \pi r^2 h$ for h.