

**Worksheet: Literal equations**  
**Algebra II**  
Mr. Chvatal

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve for mass ( $m$ ).

1.  $E = mc^2$

Solve for temperature ( $T$ ).

2.  $PV = nRT$

Solve for  $d$ .

3.  $\frac{a}{b} = \frac{c}{d}$

Solve for gravity ( $G$ ).

4.  $F = \frac{Gm_1m_2}{d^2}$

Solve for the speed of light ( $c$ ).

5.  $E = mc^2$

Solve for the loan amount ( $L$ ).

6.  $m = \frac{\left(\frac{P}{1200}\right)\left(1 + \frac{P}{1200}\right)^N}{\left(1 + \frac{P}{1200}\right)^N - 1} L$

(Very) extra credit:

Solve standard form for a quadratic equation for  $x$ .

$ax^2 + bx + c = 0$