

### Homework: Formulas

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In Problems 1-6, solve the formula for the indicated variable

1. $d = rt$ for $t$	2. $y = \frac{k}{x}$ for $x$
3. $y - y_1 = m(x - x_1)$ for $x$	4. $Z = \frac{x - \mu}{\sigma}$ for $\mu$
5. $F = G \frac{m_1 m_2}{r^2}$ for $m_2$	6. $v = v_o + at$ for $a$

In Problems 7-10, solve for  $y$

7. $3x + 2y = 5$	8. $12x - 4y = 16$
9. $7x - 3y = 8$	10. $\frac{1}{3}x - \frac{1}{4}y = -2$