Integrated Math 1 Name_____

Quiz 1.4-1.5 Solving Literal Equations and Proportions PRACTICE Period____

Solve each equation for the indicated variable.

1) $z = a + m$, for a

2) $u = xk$, for x

3) $xc = d + r$, for x

4) $g = y - \frac{c}{x}$, for x

5) $ak = \frac{b}{v - w}$, for a

6) $g = -3b + 3 + 4a$, for a

Solve each proportion.

7) $\frac{n}{7} = \frac{3}{6}$

8) $\frac{10}{9} = \frac{3}{n}$

9) $\frac{8}{10} = \frac{2}{n}$

10) $\frac{x}{5} = \frac{4}{2}$

11) $\frac{10}{7} = \frac{5}{n + 6}$

12) $\frac{10}{8} = \frac{k - 6}{10}$

Integrated Math 1 Name_____

Quiz 1.4-1.5 Solving Literal Equations and Proportions PRACTICE

Period____

Solve each equation for the indicated variable.

1) $z = a + m$, for a

$a = z - m$

2) $u = xk$, for x

$x = \frac{u}{k}$

3) $xc = d + r$, for x $x = \frac{d + r}{c}$

4) $g = y - \frac{c}{x}$, for x

$x = \frac{c}{-g + y}$

5) $ak = \frac{b}{v - w}$, for a $a = \frac{b}{k(v - w)}$

6) $g = -3b + 3 + 4a$, for a

$a = \frac{g + 3b - 3}{4}$

Solve each proportion.

7) $\frac{n}{7} = \frac{3}{6}$ $\left\{\frac{7}{2}\right\}$

8) $\frac{10}{9} = \frac{3}{n}$

$\left\{\frac{27}{10}\right\}$

9) $\frac{8}{10} = \frac{2}{n}$ $\left\{\frac{5}{2}\right\}$

10) $\frac{x}{5} = \frac{4}{2}$

$\{10\}$

11) $\frac{10}{7} = \frac{5}{n + 6}$ $\left\{-\frac{5}{2}\right\}$

12) $\frac{10}{8} = \frac{k - 6}{10}$ $\left\{\frac{37}{2}\right\}$