

Algebra 2

1.4 Rewriting Equations and Formulas

Name: _____ Per: _____ Date: _____

Show **ALL** work on this handout.

Solve for y.

1. $4x + 9y = 30$

2. $-y - 2x = -11$

3. $x = 24 + xy$

Solve for the indicated variable.

4. Solve $C = 2\pi r$ for r .

5. Solve $A = \frac{1}{2}bh$ for b .

6. Solve $V = \frac{1}{3}\pi r^2 h$ for h .

Write an expression to answer the question.

7. You buy x birthday cards for \$1.85 each. How much do you spend?

8. You drive 55 miles per hour for x hours. How many miles do you drive?

Solve each equation.

9. $\frac{3}{5} - \frac{3}{4}x = \frac{1}{2}$

10. $\frac{1}{4}x + \frac{3}{8} = \frac{1}{5} - \frac{1}{5}x$