

Unit 3 Day 7 -Solving Literal Equations Assignment

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

For # 1-8, solve each of the following equations for x:

1.  $\frac{3x+2}{5} = 7$

2.  $\frac{3x+2y}{5} = 7$

3.  $\frac{4x}{3} - 5 = 11$

4.  $\frac{4x}{3} - 5y = 11$

5.  $\frac{2}{5}(x + 3) = 6$

6.  $\frac{2}{5}(x + y) = 6$

7.  $2(3x + 4) = 4x + 12$

8.  $2(3x + 4y) = 4x + 12$

9. Solve for x:  $\frac{rx+9}{5} = h$

10. Solve for w:  $\frac{2}{3}w + 5v = -4s$

11. Write the equation r in terms of m:  $3r - 7m = 5m - 4$

12. Write the equation m in terms of r:  $3r - 7m = 5m - 4$

13. Write the equation y in terms of x:  $8x^2 + 24y = 40$

**We only get stronger when it is difficult.**

