

Name \_\_\_\_\_

Date \_\_\_\_\_

Mrs. Roubos

8R Period \_\_\_\_\_

Algebra Mixed Review

1) Simplify the expression: $3x + 2x$	2) Simplify the expression: $7v + 2 + 12 + 2v$
3) Simplify: $3a + 5b$ if $a = 4$ and $b = 6$	4) Simplify: $2(y + 4)$ if $y = 7$
5) Is $x + y$ an expression or an equation? a) Expression b) Equation	6) Is $x + y = 50$ an expression or an equation? a) Expression b) Equation
7) Which one of the following is the variable of: $2d - 6$ a) $2d$ b) $2$ c) $d$ d) $6$	8) Which one of the following is the coefficient of: $10y + 4$ a) $y$ b) $10$ c) $4$ d) $10$ and $4$
9) How many terms are there in the following expression: $5x + 3y - 15$ a) $1$ b) $2$ c) $3$ d) $4$	10) Solve for $x$ : $2x = 12$

11) Solve for x:  $x - 7 = 12$

12) Solve for x:  $\frac{2}{3}x = 10$

13) Solve for x:  $2x + 1 = 5$

14) Solve for r:  $27 = 5r + 2$

15) Solve for x:  $4x + 7 = 23$

16) Solve for b:  $3b + 6b = 63$

17) Solve for x:  $7x - 3x - 8 = 24$

18) Solve for a:  $15 + 4a - 6 = 21$

19) Solve for x:  $10x + 9 = 4x - 9$

20) Solve for w:  $7w + 5 = 3w - 15$