Algebra
WS: Literal Equations

NAME_____
Period_____

PART 1 Solve for y.

1. $3x+4y=13$
2. $2y-x=9$
3. $6x-2y=5$
4. $7y+15=8x$

5. $\frac{3y+x}{z}=4$
6. $2a+6y=4g$
7. $3+\frac{y}{5}=2x$
8. $2(5y+x)=12$

PART 2 Reduce this fraction.

9. $\frac{9x+6}{3}$
10. $\frac{15-10x}{5}$
11. $\frac{8x+12y}{6}$
12. $\frac{20x-16}{8}$

PART 3 Solve for the indicated variable.

13. $t=3g+f$ g
14. $v=\frac{sd}{p}$ d
15. $A=prt$ t
16. $m=5w+b$ w

17. $v_2=v_1+\frac{1}{2}at^2$ a
18. $F=m\cdot\frac{d}{t^2}$ d
18. $F=\frac{G_1G_2k}{d^3}$ k