Student: _____ **Date:** _____	**Instructor:** Deb Wertz **Course:** MAP102 MASTER	**Assignment:** Homework #3

1. Simplify the expression.

$$\frac{0.5-(-1.5)}{-0.5}$$

$\frac{0.5-(-1.5)}{-0.5}$ = _____

2. Simplify the expression.

$$\frac{\frac{1}{2}\cdot 4-7}{5+\frac{1}{3}\cdot 9}$$

$\frac{\frac{1}{2}\cdot 4-7}{5+\frac{1}{3}\cdot 9}$ = _____ (Type an integer or a simplified fraction.)

3. Evaluate the expression when $x=5$ and $y=-6$.

$5x-3y$

$5x-3y$ = _____

4. Evaluate the expression when $y=-3$.

$-9y^2$

$-9y^2$ = _____

5. Evaluate the expression when $x=25$ and $y=-6$.

$$\frac{\sqrt{x}}{y}-\frac{y}{x}$$

$\frac{\sqrt{x}}{y}-\frac{y}{x}$ = _____
(Type an integer or a simplified fraction.)

6. Find the value of the expression when $x_1=4$, $x_2=6$, $y_1=-3$, $y_2=8$.

$$\frac{y_2-y_1}{x_2-x_1}$$

$\frac{y_2-y_1}{x_2-x_1}$ = _____

1. -4

2. $-\frac{5}{8}$

3. 43

4. -81

5. $-\frac{89}{150}$

6. $\frac{11}{2}$