$\qquad$ PD. $\qquad$

## LINEAR EQUATIONS REVISITED

DUE EXAM DAY!!!
1.

$\qquad$ PD. $\qquad$

LINEAR EQUATIONS REVISITED
DUE EXAM DAY!!!

2. Find the slope of the line.

$\qquad$ PD. $\qquad$ LINEAR EQUATIONS REVISITED
3. Find the slope of the line that contains $(1,6)$ and $(10,-9)$.

Find the slope of the line.
4. $y=-\frac{1}{2} x-4$
6.Graph the equations

$$
y=-\frac{1}{4} x-3
$$



$$
-3 x-y=6
$$


5. $3 x+5 y=-15$
$x-3 y=-6$


$\qquad$ PD. $\qquad$

## Find an equation for the line:

7. through $(2,6)$ and perpendicular to $y=2 x+5$
8. through $(-4,6)$ and parallel to $y=-3 x+4$.
9. through $(-7,-4)$ and vertical.

Are these sets of data proportionate? If so determine the equation that models the data.
10.

| $x$ | $y$ |
| :---: | :---: |
| 6 | 24 |
| 18 | 72 |
| 54 | 216 |
| 162 | 648 |

11. 

| $x$ | $y$ |
| :---: | :---: |
| 6 | 7.2 |
| 11 | 13.2 |
| 16 | 19.2 |
| 21 | 25.2 |

12. A student finds the slope of the line between $(14,1)$ and $(18,17)$. She writes $\frac{1-17}{18-14}$. What mistake did she make?

Find the slope and $y$-intercept of the line.
13. $y=\frac{4}{3} x-3$
14. $14 x+4 y=24$
$\qquad$ PD. $\qquad$
LINEAR EQUATIONS REVISITED
DUE EXAM DAY!!!
15. Identify the parent function for this graph:


A.
B.
C.
D.
$\qquad$ PD. $\qquad$

LINEAR EQUATIONS REVISITED DUE EXAM DAY!!!

12 Mr. Maxwell asked his students to identify the domain represented by the function graphed below.


Which of the following student responses is correct?

Parallelogram GHJK is shown below.


Which of the following represents the $x$-value of point $J$ ?

F $y-x$
G $x+y$
H $a+x$
J $x-a$

F $-5 \leq x<6$
G $-6 \leq x \leq 2$
H $-5 \leq x<-2$
J Not here

Which equation best represents the graph below?


F $y=3-\frac{3}{2} x$
G $y=3-\frac{2}{3} x$
H $y=3+\frac{2}{3} x$
J. $y=3+\frac{3}{2} x$

Which equation describes a line that has a $y$-intercept of 5 and a slope of $\frac{1}{2}$ ?

F $y=5+\frac{1}{2} x$

G $y=(5+x) \frac{1}{2}$

H $\quad y=5 x+\frac{1}{2}$

J $y=(5 x+1) \frac{1}{2}$
$\qquad$ PD. $\qquad$
LINEAR EQUATIONS REVISITED DUE EXAM DAY!!!


Which of the following functions describes a line that would include an edge of the shaded parallelogram?

F $\quad y=-2 x+5$
G $\quad y=-2 x-2$
H $y=-2 x+9$
J $y=-2 x-1$



F The slope decreases
G The new line passes through the origin
H The $x$-intercept increases
J The $y$-intercept increases.

