Linear Equations *Diagnostic*

Monday, May 12, 2014

Name:

Period:

Identify the *slope* and *y-intercept* of the following linear equations

1) $y = 2x + 3$
   slope (*m*)=
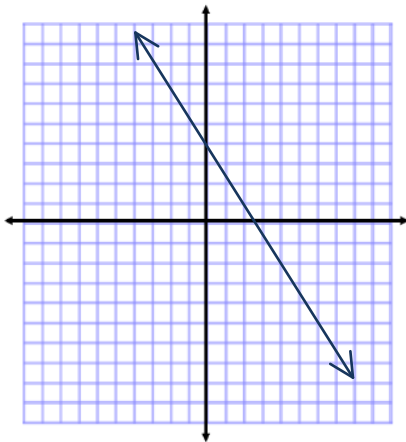   y-intercept (*b*)=

2) $y = -x$
   m=
   b=

3) $4x - 2y = 10$
   slope=
   y-intercept=

4) **Write the equation of the line that has a *slope* of $\frac{2}{3}$ and a *y-intercept* of -2.**

5) **What is the slope and y-intercept of the line shown below?**

6) **What is the slope of the line that passes through these points**

$(2, 5)\ and\ (-6, 1)$

7) **Write the equation of the line in *slope-intercept form* that passes through the given points**

$(2, -2)\ and\ (-3, 13)$