Name



Date

3.8 – Graphing Lines

Graph the following lines:





9) (7,2) and (2,12) $m = \frac{12-2}{2-7} = \frac{10}{-5} = -2$ y-2 = -2(x-7) y = y - 2 = -2(x-7) y = y - 2 = -2x + 1y y = -2(x-7) y = -2(x-7)y With the assistance of the DESMOS app, find the intersection(s) of the following figures:

11)
$$y = -x+2$$

 $y = 2x+5$
(-1,3)
 $y = -x+2$
 $(-1,3)$
 $y = -3$
 $5x-y = -6$
(-1,1)

$$\begin{array}{c} y = x^2 \\ y = 8 - x^2 \end{array}$$

.

14)
$$y = x^2 - 2x$$
$$y = -x^2 + 6x - 6$$

(-2, 4) and (2, 4)

Ell (1,-1) and (3,3)