

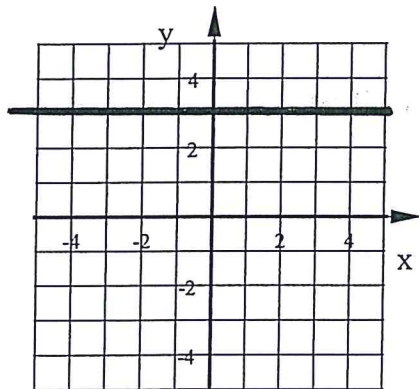
Algebra 1 Bellwork Tuesday, January 19, 2016

For 1-6, write the equation of each line.

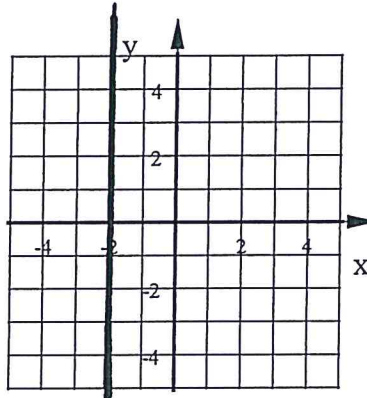
1. The line has a slope of zero and passes through the point $(9, -7)$

2. The line passes through the points $(2, -4)$ and $(1, -4)$

3. The line in the graph below:



4. The line in the graph below:



5. The line passes through the points $(11, -8)$ and $(11, 3)$

6. The line has an undefined slope and passes through $(1, 2)$

For 7 and 8, find the the x and y intercepts of each equation. Give answer as a reduced fraction if you must round the decimal or it is repeating..

7. $10x - 8y = 40$

8. $9x + 12y = 16$

x-int=

x-int=

y-int=

y-int=

9. Write this equation in Slope-Intercept Form: $-15x - 20y = 40$

For 1-6, write the equation of each line.

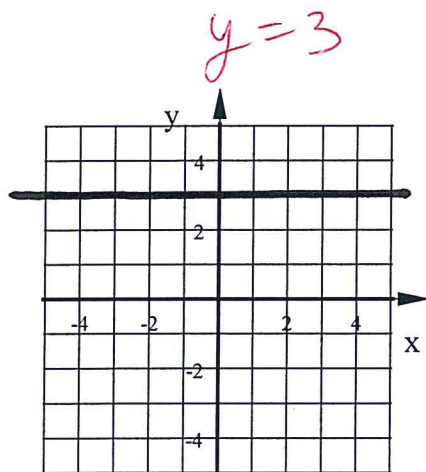
1. The line has a slope of zero and passes through the point (9, -7)

$$y = -7$$

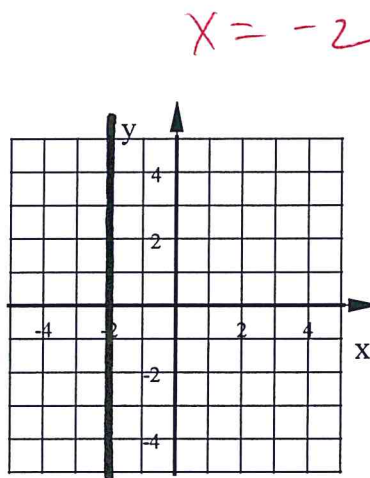
2. The line passes through the points (2, -4) & (1, -4)

$$y = -4$$

3. The line in the graph below:



4. The line in the graph below:



5. The line passes through the points (11, -8) & (11, 3)

$$x = 11$$

6. The line has an undefined slope and passes through (1, 2)

$$x = 1$$

For 7 and 8, find the x and y intercepts of each equation. Give answer as a reduced fraction if you must round the decimal or it is repeating..

7. $10x - 8y = 40$

x-int = $\frac{40}{10} = 4$

y-int = $\frac{40}{-8} = -5$

8. $9x + 12y = 16$

x-int = $\frac{16}{9}$

y-int = $\frac{16}{12} = \frac{4}{3}$

9. Write this equation in Slope-Intercept Form: $-15x - 20y = 40$

$$y = -\frac{3}{4}x - 2$$

$$+15x$$

$$+15y$$

$$\frac{-20y}{-20} = \frac{40 + 15x}{-20}$$