Untitled.notebook December 15, 2014

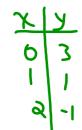
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Review:

1/ Sketch the following Lines:

a)
$$y = -3x + 3$$

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(6,0) 3y + x - 6 = 0 (6,0) 3y = -x + 6 (6,0) 3y = -x + 6

$$y = \frac{1}{3}x + 2$$
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$$M = \frac{y_2 - y_1}{x_2 - x_1} = \frac{7 - (-8)}{-1 - (-5)} = \frac{15}{4} = \frac{+15}{+4}$$

$$\frac{1}{3} = \frac{1}{3}$$

$$\frac{1}$$

4/ Are there lines parallel, perpendicular or neither?

0 A(-1,3) B(4,4) (3) C(2,7) D(1,12)

$$M_{AB} = \frac{4-3}{4-(-1)}$$

$$= \frac{1}{5}$$

$$AB L CD$$

5/ Determine the equation is slopery-Int Form...

a) Through (-2,7) with slope
$$\frac{3}{4}$$

 $y = \frac{3}{4} \times 1$ $y = \frac{$

(b) Through
$$(0,-7)$$
 and $(-4,-5)$
 $M = -7 - (-5)$
 $M = -3$

$$M = -\frac{\partial}{\partial y}$$

() X-Intercept of 5 and perpendicular to

$$\frac{1}{2}m = \frac{3}{5}x + \frac{7}{5}$$
 $m = \frac{3}{5}$

6/ Determine Equation in General Form for the following lines ...

a) x-Int. of -3 and y-Int. of 4 (-3,0)

 $M = \frac{4 - 0}{0 - (3)} = \frac{4}{3} (3) (3) (3)$ $M = \frac{6 - (3)}{3} = \frac{3}{3} (x + 3)$ 37= 1x+15 D=4x-3y+12/

(b) Through (-7,5) and parallel to x-axis.

-time : y=5

$$\frac{A}{(-7,4)} = \frac{13}{(-3,-10)}$$

$$M'_{1}d_{1}d_{2}d_{3}d_{4}?$$

$$MP_{2} = \begin{pmatrix} x_{1}+x_{2} & y_{1}+y_{2} \\ \frac{1}{2} & \frac{1}{2} \end{pmatrix}$$

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Extra Practice:

coord geom review.doc