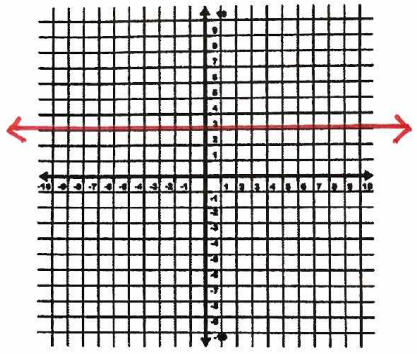
AA PREP: GRAPHING LINEAR EQUATIONS—WORKSHEET #1 KEY

Graph each line.

1. Graph: $y=3$

HORIZONTAL LINE



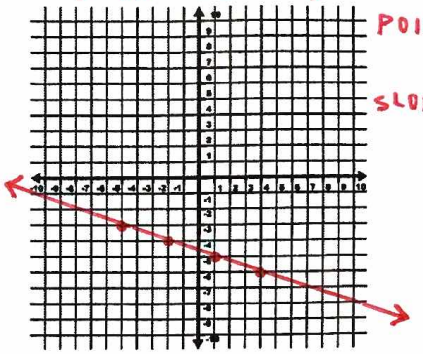
2. Graph: $y+3=-\frac{1}{3}(x+5)$

POINT-SLOPE FORM

$y-y_1=m(x-x_1)$

POINT: $(-5,-3)$

SLOPE: $-\frac{1}{3}$

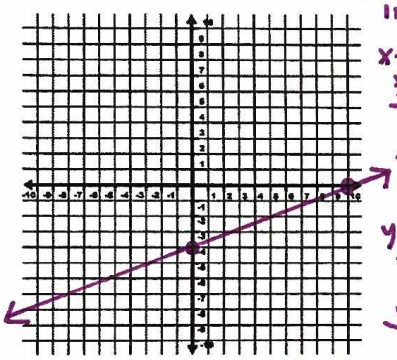


3. Graph: $2x-5y=20$

STANDARD FORM

$Ax+By=C$

GRAPH USING INTERCEPTS!



x-INT ($y=0$)

$\frac{2}{2}x=\frac{20}{2}$

$x=10$ $(10,0)$

y-INT ($x=0$)

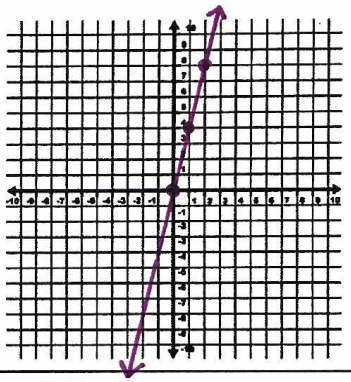
$\frac{-5}{-5}y=\frac{20}{-5}$

$y=-4$ $(0,-4)$

4. Graph: $y=4x$

SLOPE-INTERCEPT FORM

$y=mx+b$

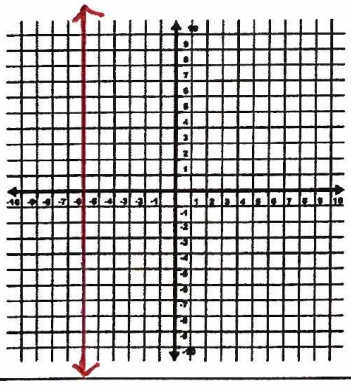


SLOPE: 4

y-INT: $(0,0)$

5. Graph: $x=-6$

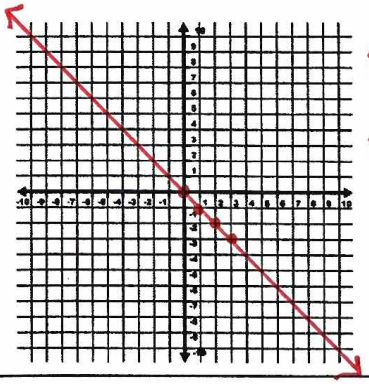
VERTICAL LINE



6. Graph: $y=-x$

SLOPE-INTERCEPT FORM

$y=mx+b$



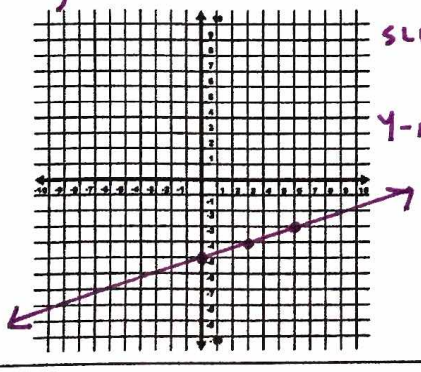
SLOPE: -1

y-INT: $(0,0)$

7. Graph: $y=\frac{1}{3}x-5$

SLOPE-INTERCEPT FORM

$y=mx+b$



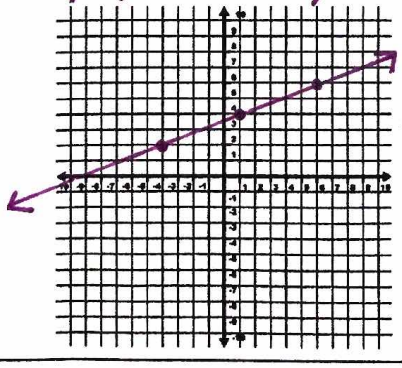
SLOPE: $\frac{1}{3}$

y-INT: $(0,-5)$

8. Graph: $y-4=\frac{2}{5}(x-1)$

POINT-SLOPE FORM

$y-y_1=m(x-x_1)$



POINT: $(1,4)$

SLOPE: $\frac{2}{5}$