AA PREP: GRAPHING LINEAR EQUATIONS—WORKSHEET #2

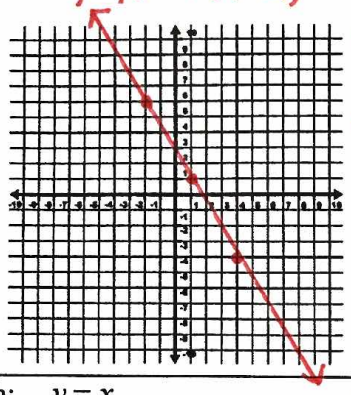
KEY

Graph each line.

1. Graph: $y-6=-\frac{5}{3}(x+2)$

POINT-SLOPE FORM

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



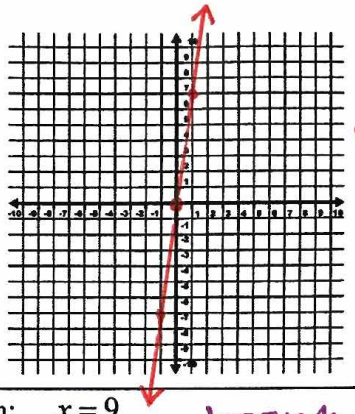
POINT: $(-2,6)$

SLOPE: $\frac{-5}{3}$

2. Graph: $y=7x$

$y=mx+b$

SLOPE-INTERCEPT FORM



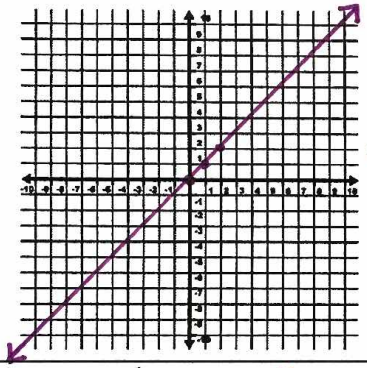
SLOPE: 7

Y-INT: $(0,0)$

3. Graph: $y=x$

$y=mx+b$

SLOPE-INTERCEPT FORM

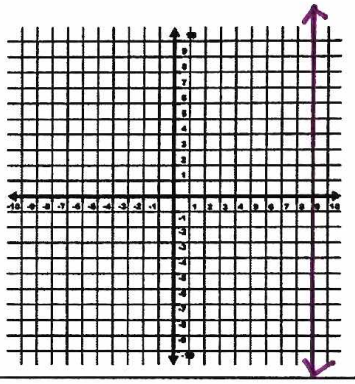


SLOPE: 1

Y-INT: $(0,0)$

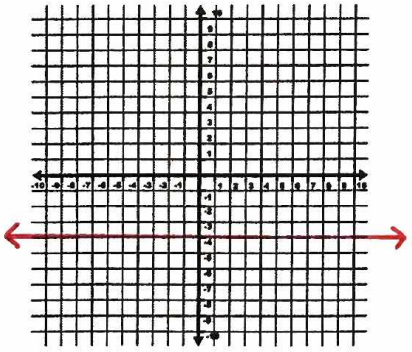
4. Graph: $x=9$

VERTICAL LINE



5. Graph: $y=-4$

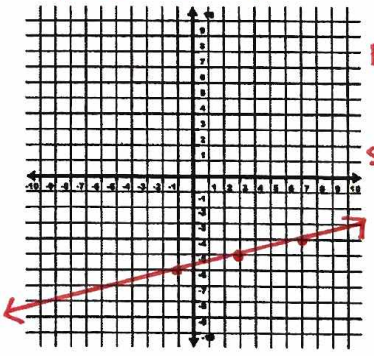
HORIZONTAL LINE



6. Graph: $y+5=\frac{1}{4}(x-3)$

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

POINT-SLOPE FORM



POINT: $(3,-5)$

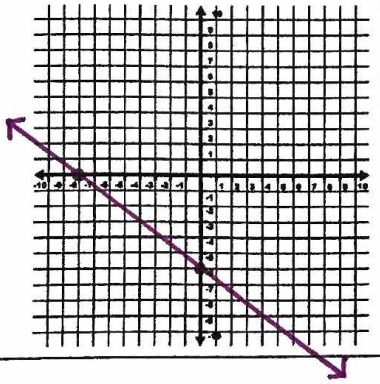
SLOPE: $\frac{1}{4}$

7. Graph: $3x+4y=-24$

$Ax+By=C$

STANDARD FORM

GRAPH USING INTERCEPTS!



X-INT ($y=0$):

$\frac{3x}{3}=\frac{-24}{3}$

$x=-8$ $(-8,0)$

Y-INT ($x=0$):

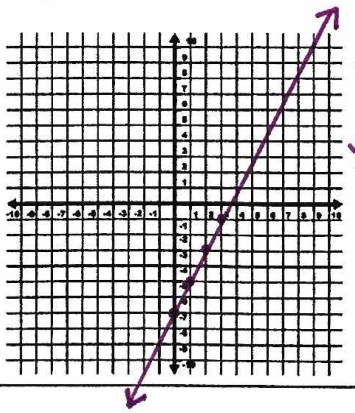
$\frac{4y}{4}=\frac{-24}{4}$

$y=-6$ $(0,-6)$

8. Graph: $y=2x-7$

$y=mx+b$

SLOPE-INTERCEPT FORM



SLOPE: 2

Y-INT: $(0,-7)$