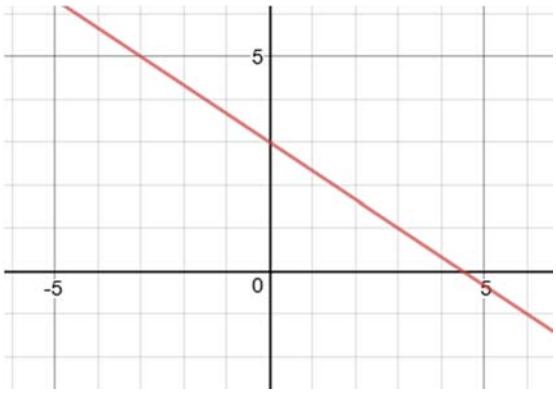
Name: _____

6.5 Check-Point In-Class Assignment

1. Given the graph write the equation of the line in:

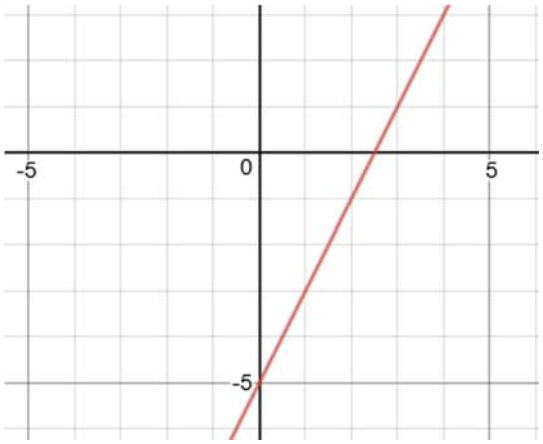
a)



point – slope form

slope – intercept form

b)



point – slope form

slope – intercept form

2. Write an equation for the line that passes through $A(4, 3)$ and is **parallel** to the line $y = -\frac{1}{2}x + 2$.

a) **point – slope form** b) **slope – intercept form**

3. Write an equation for the line that passes through A(-4, 1) and is **perpendicular** to the line $y = \frac{2}{3}x + 6$

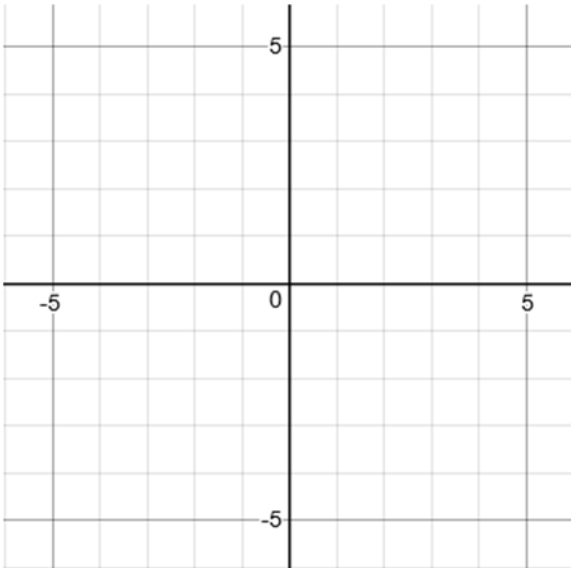
a) **point – slope form**

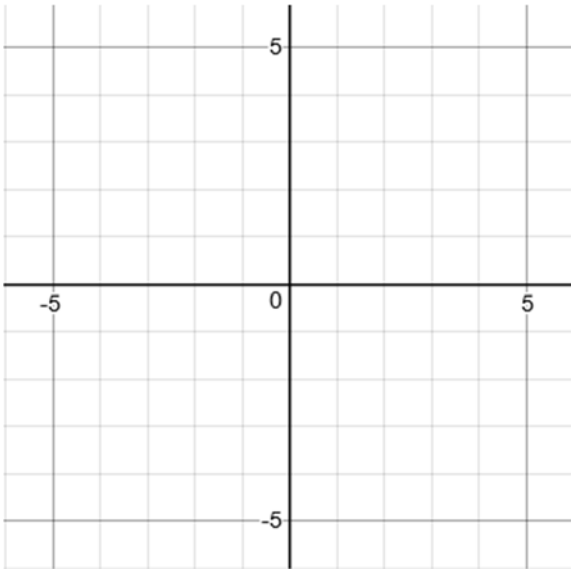
b) **slope – intercept form**

4. **Rewrite** each function in **slope – intercept form**. **Graph** each function.

a) $3x - 4y - 24 = 0$

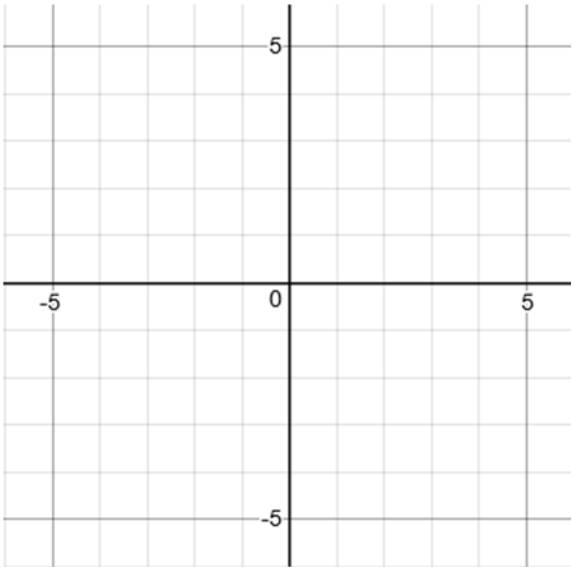
b) $3x - 2y + 2 = 0$

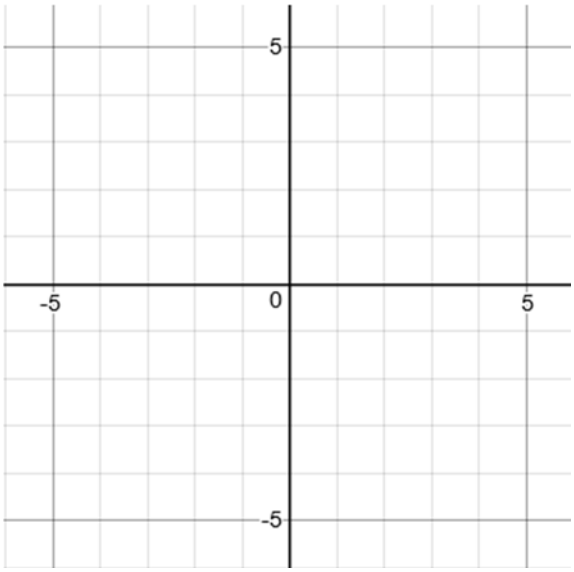




c) $5x+6y-6=0$

d) $2x-6y-24=0$





5. For each equation, identify the **slope** of the line it represents and the **coordinates of a point** on the line.

a) $y-1=3(x-4)$

slope: _____

point: _____

b) $y+3=-2(x-6)$

slope: _____

point: _____

c) $y+7=\frac{1}{4}(x+2)$

slope: _____

point: _____

d) $y-9=\frac{7}{2}(x+1)$

slope: _____

point: _____