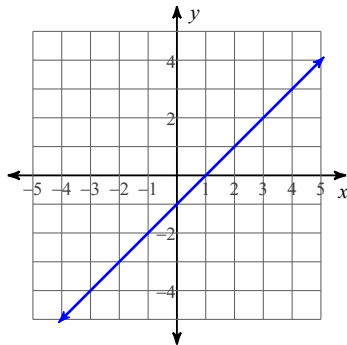


A3

Date _____ Period _____

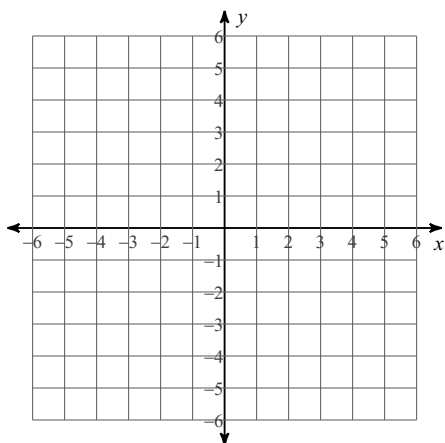
Write the slope-intercept form of the equation of each line.

1)

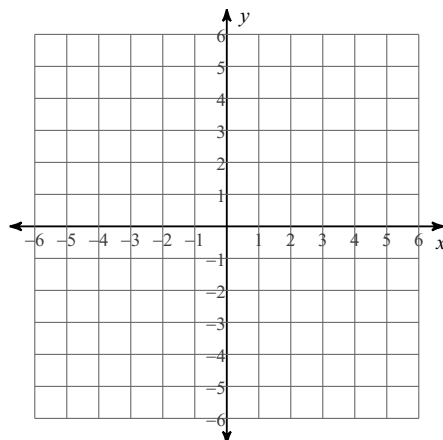
**Write the slope-intercept form of the equation of the line through the given points.**2) through: $(0, -3)$ and $(3, 0)$ **Write the slope-intercept form of the equation of the line through the given point with the given slope.**3) through: $(2, 0)$, slope = -1

Sketch the graph of each line.

4) $y = -\frac{2}{5}x - 3$



5) $y = -3x + 1$



6) Mika's cell phone bill cost her \$25 for 20 picture messages. Tommy has the same plan and his bill was \$30 after sending 40 messages. Write an equation that shows the cost (y) as a function of how many messages (x) are sent.

7) A truck is filled with 2500 kilograms of concrete. It pours the concrete at a rate of 100 kilograms per minute. Write an equation to model how much concrete is left (y) in the truck after x minutes.

8) A t-shirt company charges \$99 for set-up plus an additional \$13 for each shirt. Write an equation to model the cost (y) of x shirts.