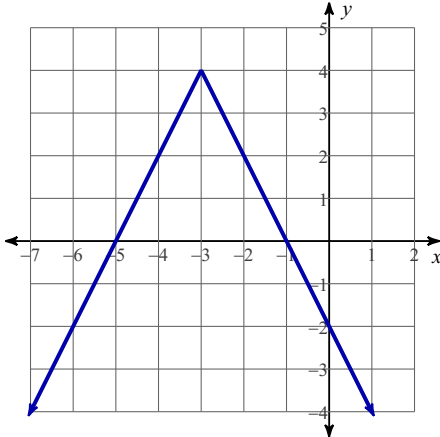
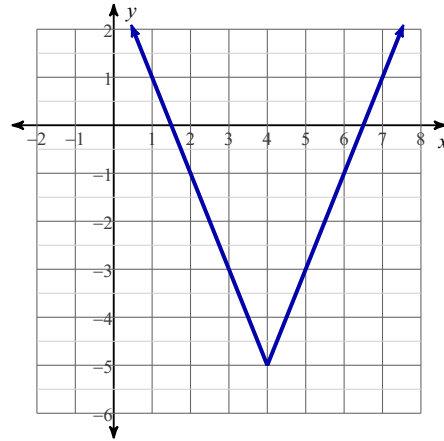


SM2-A HW #7-8 (Review)

1) What is the equation that has been graphed?

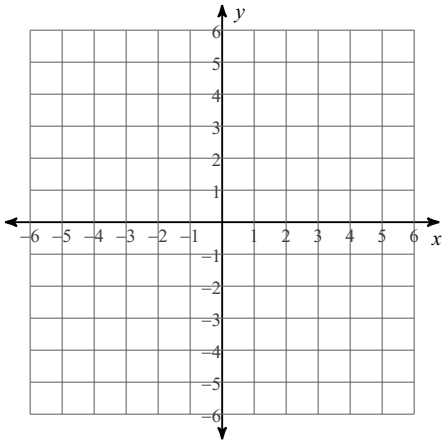


2) What is the equation that has been graphed?

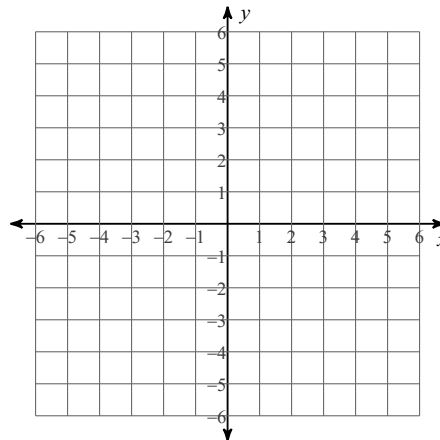


Sketch the graph of each line.

3) $y = -2x - 5$

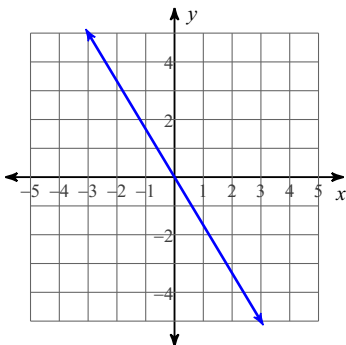


4) $y = \frac{1}{5}x$

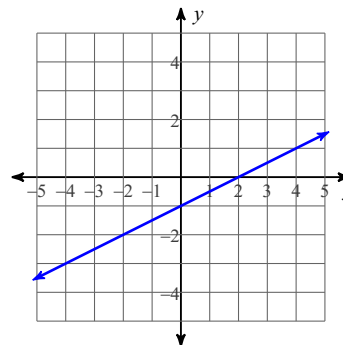


Write the slope-intercept form of the equation of each line.

5)



6)



7) $2x - y = 20$

8) $x + y = -3$

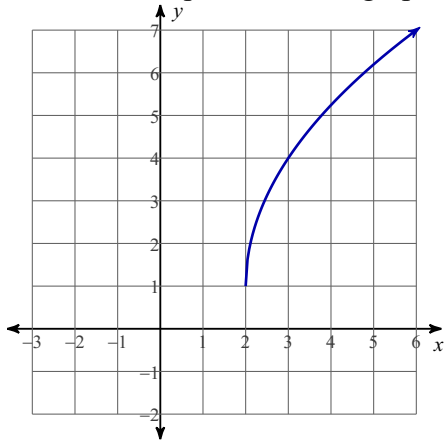
9) The cost of hiring a plumber, C , is a function of the time spent on the job, 't', in hours. If the plumber charges a fee of \$30 plus \$25 per hour.

- a) What is the equation that models this situation?
- b) If you hire her for 11 hours, how much will it cost you?

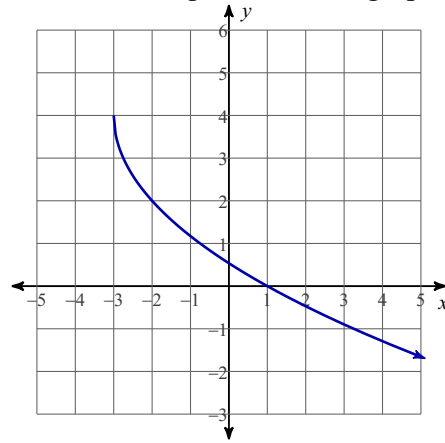
10) A customer bought 7 hamburgers and 8 drinks and paid a total of \$36.25

What is the equation that models this situation?

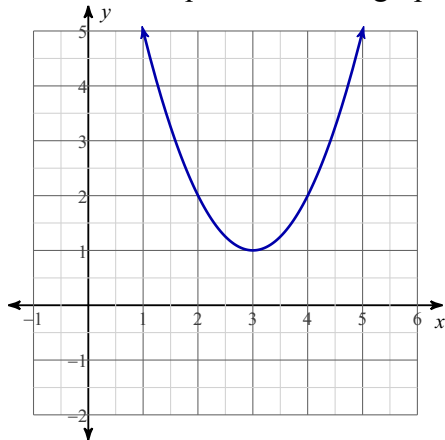
11) What is the equation of the graph?



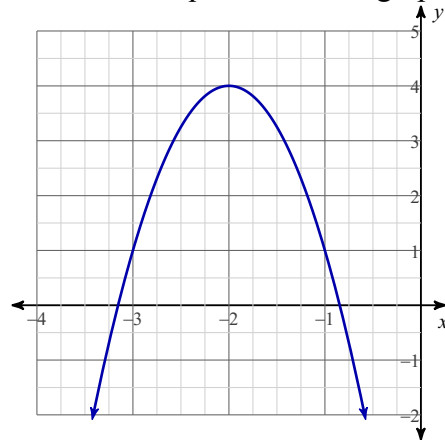
12) What is the equation of the graph?



13) What is the equation for the graph?

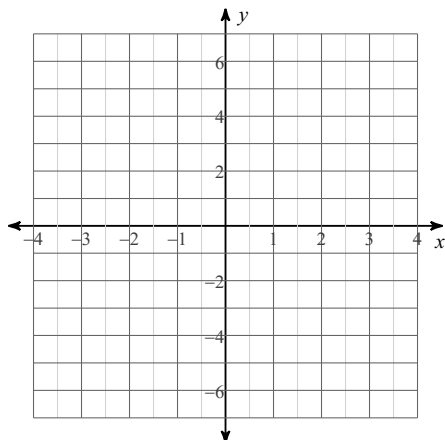


14) What is the equation for the graph?



15) Graph the following piece-wise defined function.

$$y = \begin{cases} x^2 & \text{for } x \geq 0 \\ x - 1 & \text{for } x < 0 \end{cases}$$



16) Graph the following piece-wise defined function.

$$y = \begin{cases} 2x^2 & \text{for } x \geq 0 \\ -3|x| & \text{for } x < 0 \end{cases}$$

