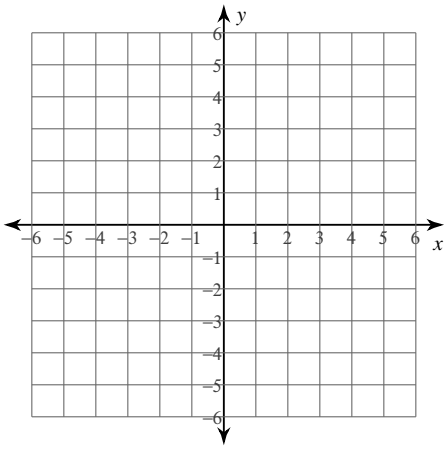
Graph using the y-intercept and the slope

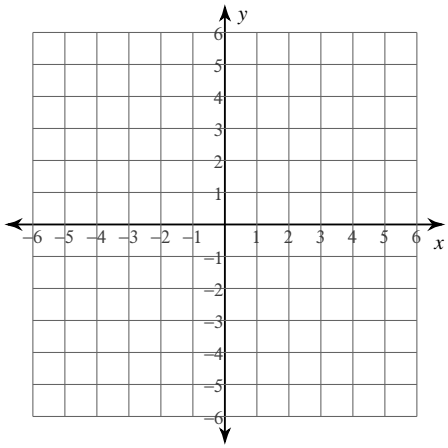
Date_____ Period____

Identify the y-intercept and the slope of the line. Plot the y-intercept on the y-axis and apply the slope to graph the line.

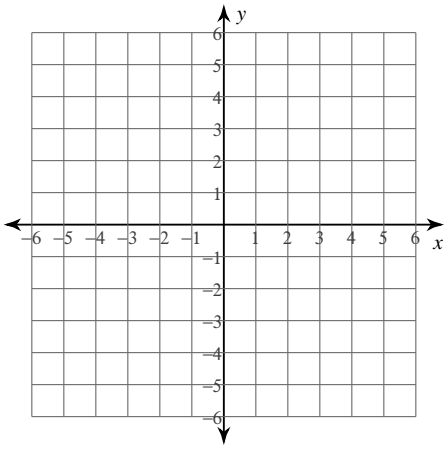
1) $y = 2x - 1$



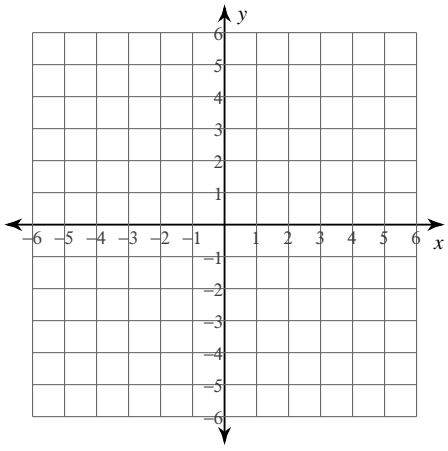
2) $y = \frac{6}{5}x + 5$



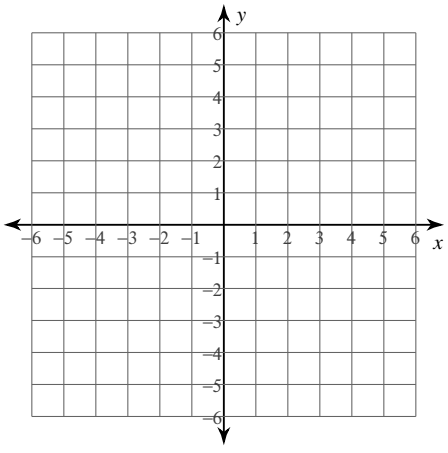
3) $y = \frac{7}{2}x - 5$



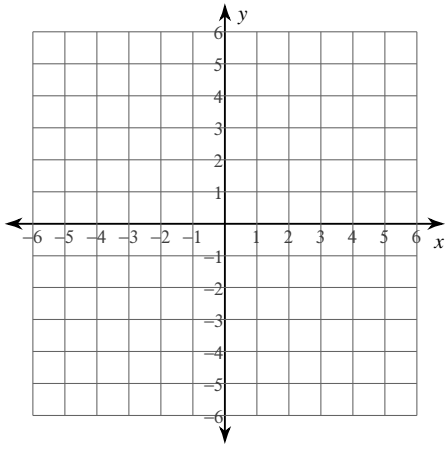
4) $y = -\frac{9}{2}x - 4$



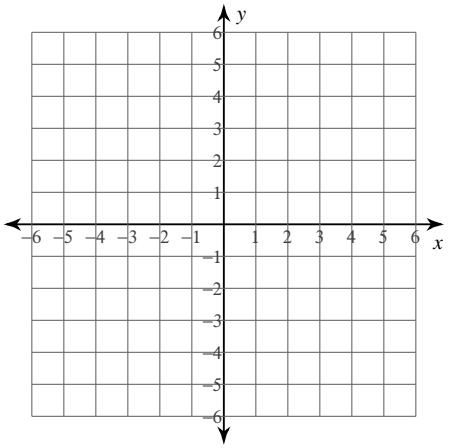
5) $y = \frac{1}{2}x + 1$



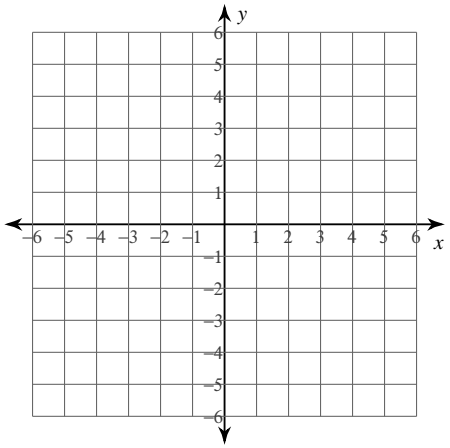
6) $y = \frac{6}{5}x - 3$



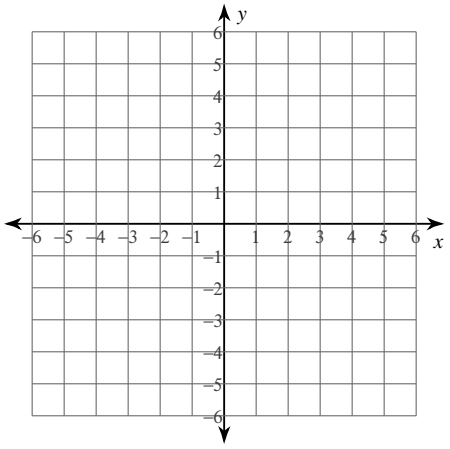
7) $y = \frac{1}{5}x + 3$



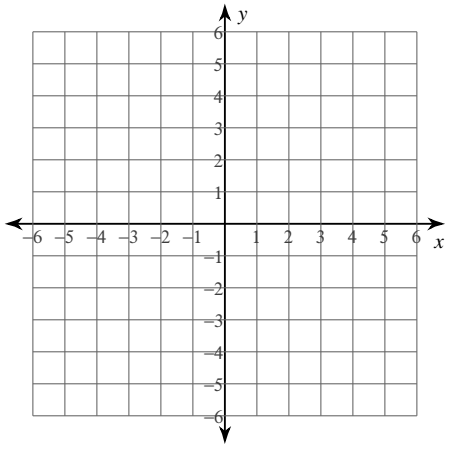
8) $y = -\frac{4}{3}x + 1$



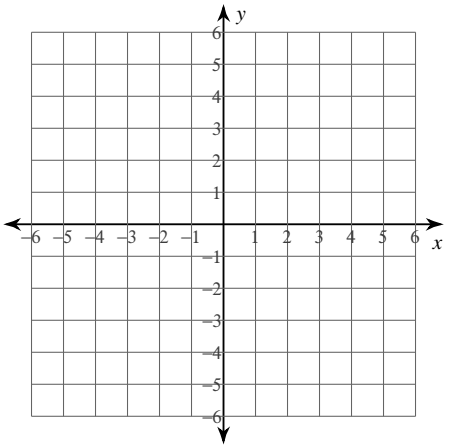
9) $y = 4x$



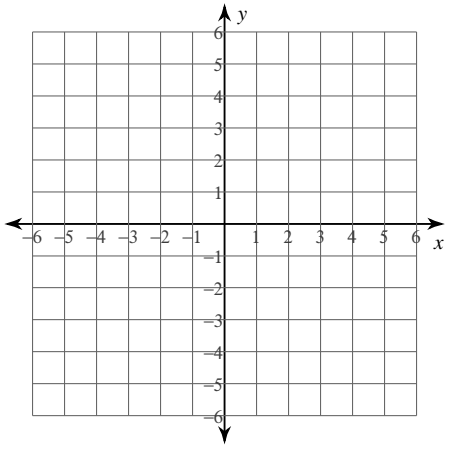
10) $y = x - 2$



11) $y = -2x + 3$

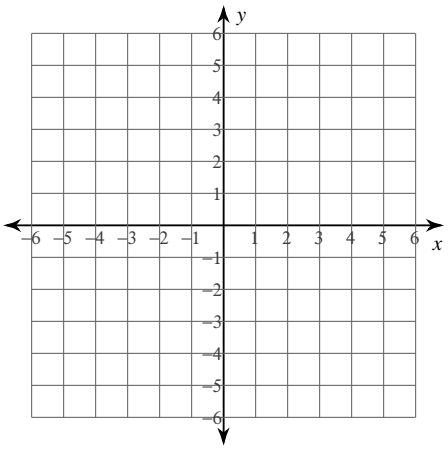


12) $y = -\frac{7}{2}x - 4$

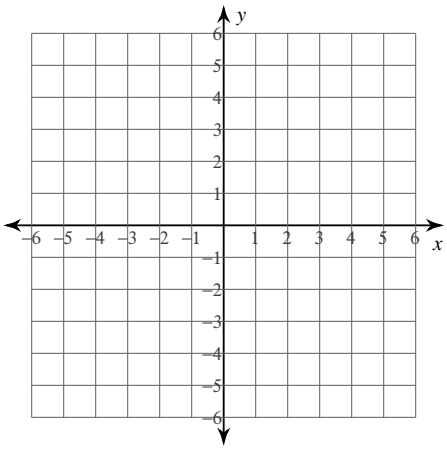


Convert the intercepts into points and plot each point to graph the line. Find the slope of each line using a right triangle and the concept of rise over run.

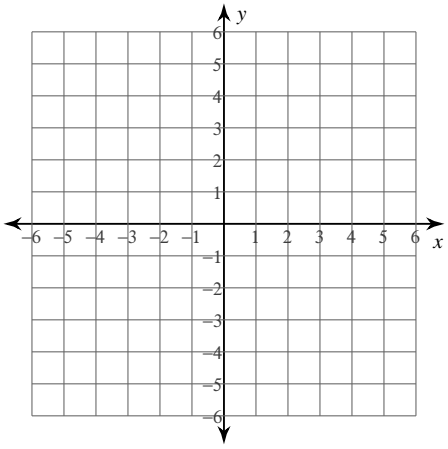
13) x-intercept = −4, y-intercept = 5



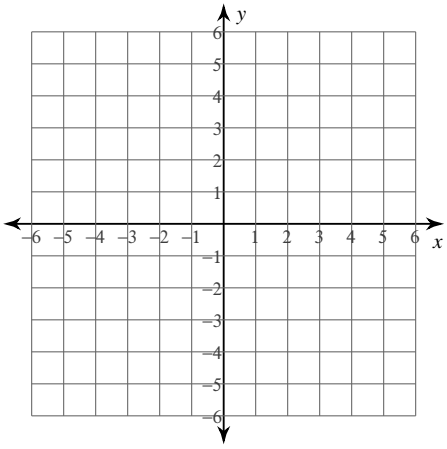
14) x-intercept = −2, y-intercept = 3



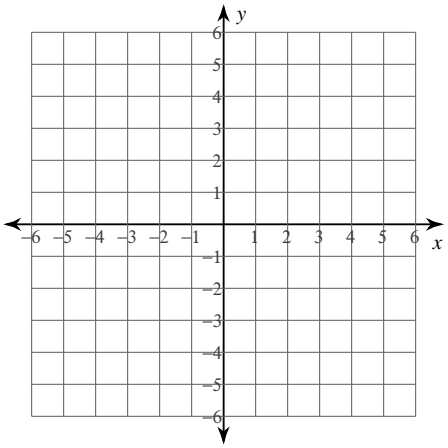
15) x-intercept = 5, y-intercept = 4



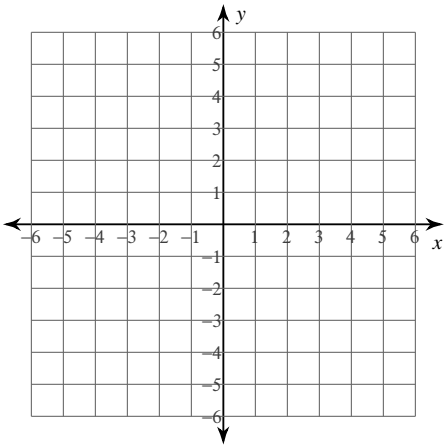
16) x-intercept = −3, y-intercept = 5



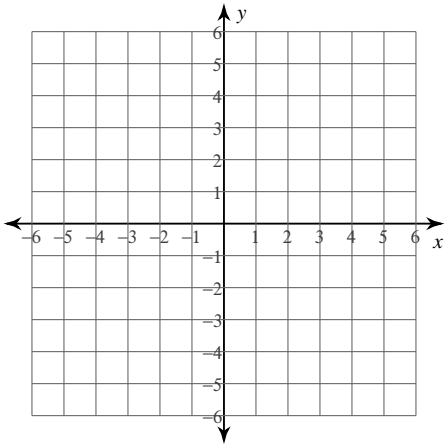
17) x-intercept = 3, y-intercept = −4



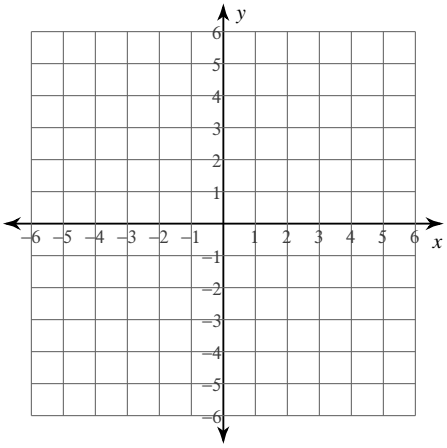
18) x-intercept = −5, y-intercept = −1



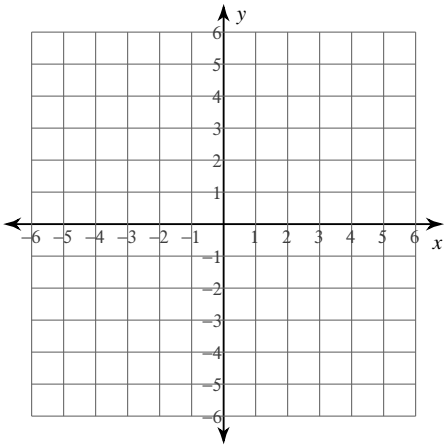
19) x-intercept = 4, y-intercept = 2



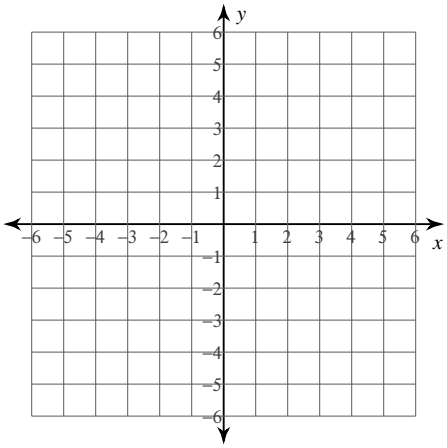
20) x-intercept = −5, y-intercept = −5



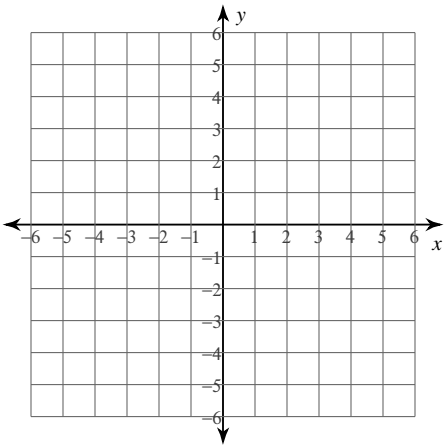
21) x-intercept = 1, y-intercept = −4



22) x-intercept = 4, y-intercept = −2



23) x-intercept = −4, y-intercept = −4



24) x-intercept = 2, y-intercept = 2