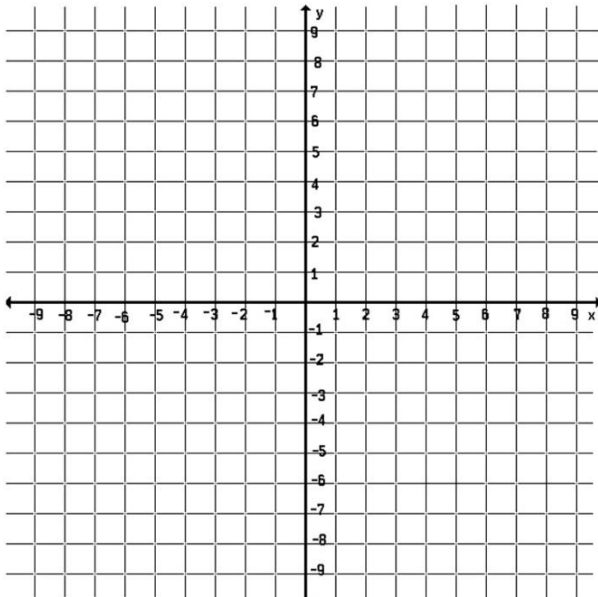


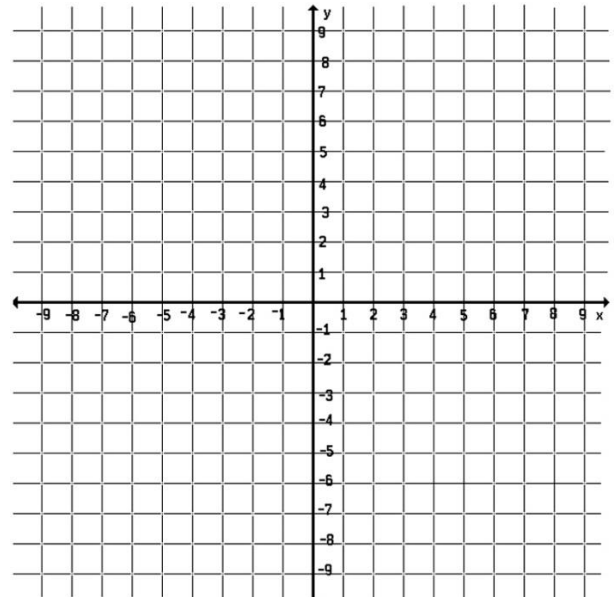
3.8 – Graphing Lines

Graph the following lines:

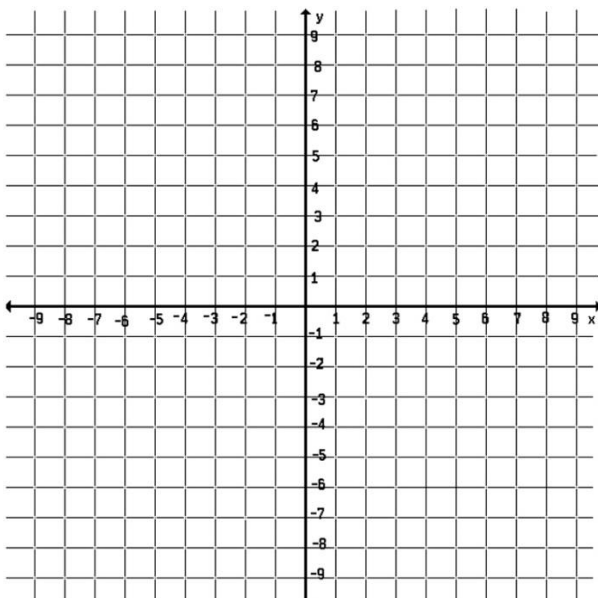
1) $y = 2x + 1$



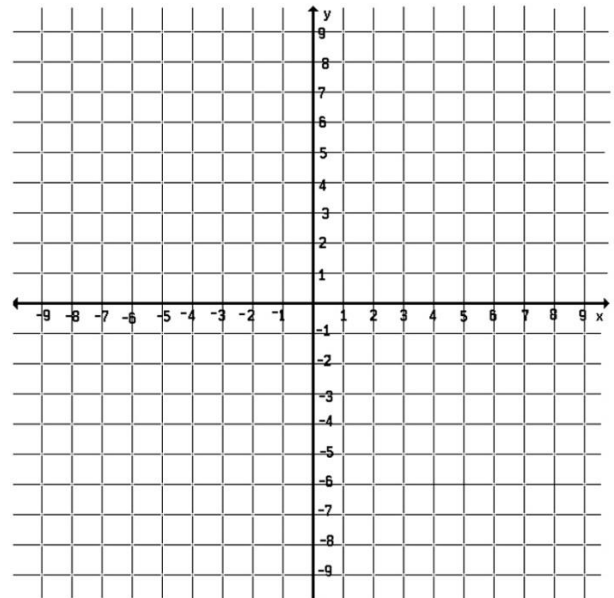
2) $y = 6 - 3x$



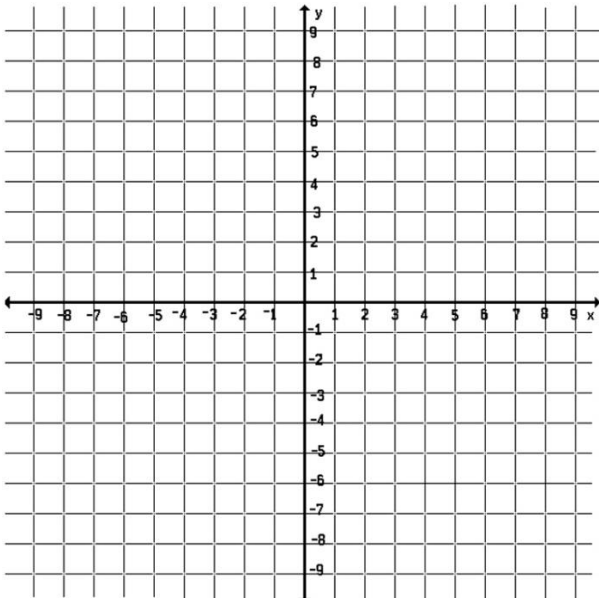
3) $y = -\frac{1}{4}x + 8$



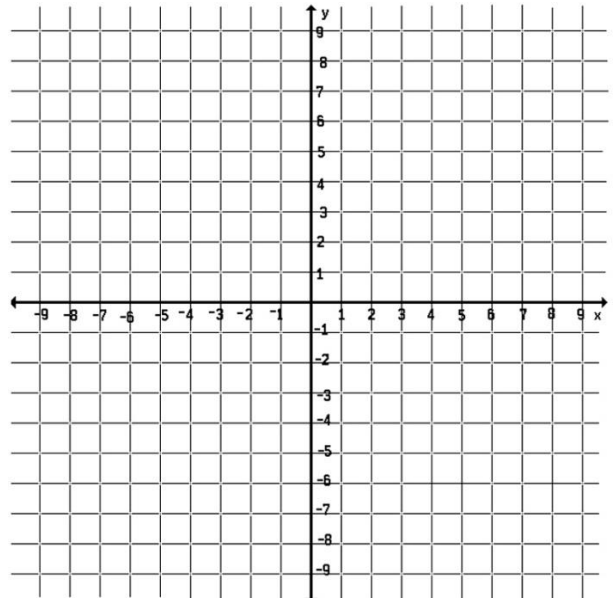
4) $x - y = 6$



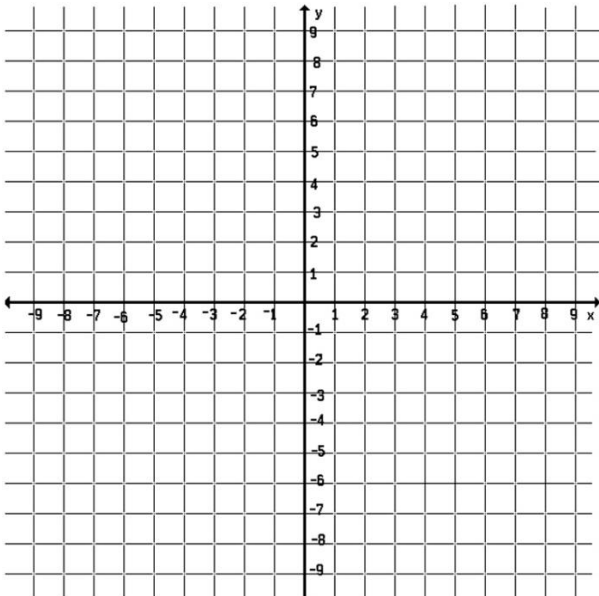
5) $y + 3 = -2(x - 2)$



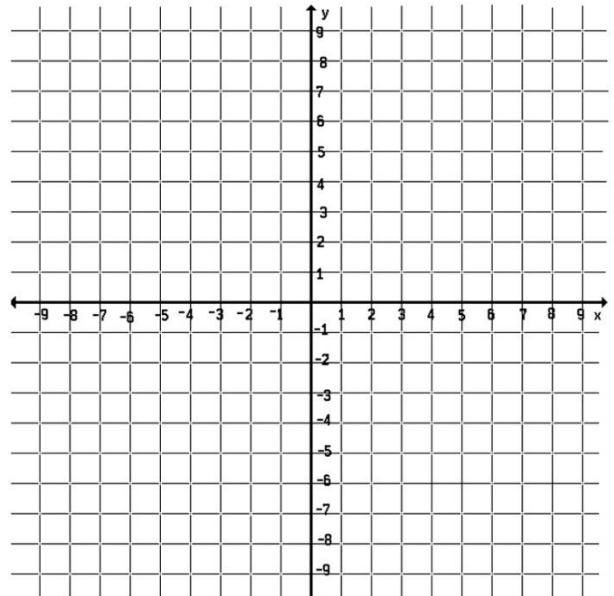
6) $y + 4 = -\frac{5}{2}(x - 3)$



7) $9x - 3y = -12$



8) $3x + 2y = 4$



Write an equation in point-slope **and** standard form of the line that passes through the given points.

9) (7,2) and (2,12)

10) (6,-2) and (12,1)

With the assistance of the DESMOS app, find the intersection(s) of the following figures:

11) $y = -x + 2$
 $y = 2x + 5$

12) $4x + y = -3$
 $5x - y = -6$

13) $y = x^2$
 $y = 8 - x^2$

14) $y = x^2 - 2x$
 $y = -x^2 + 6x - 6$