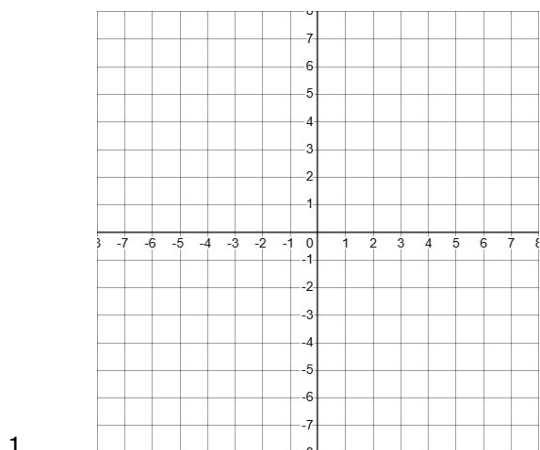# Basic Drawing Lines #1

Draw the lines for each equation.

a) and b) are Achieved, c) Merit and d) is Excellence level.
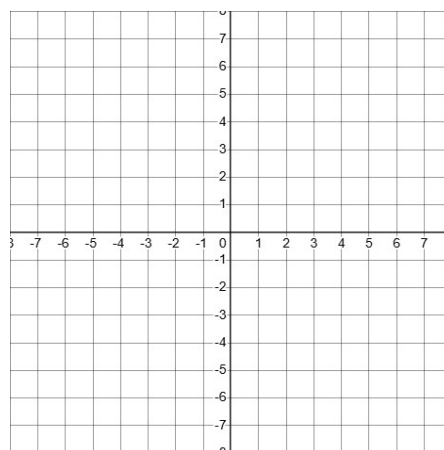
1.

a) $y = -2x + 4$ b) $y = 2x - 6$

c) $y = \frac{1}{2}x - 4$ d) $y = \frac{3}{2}x + 6$
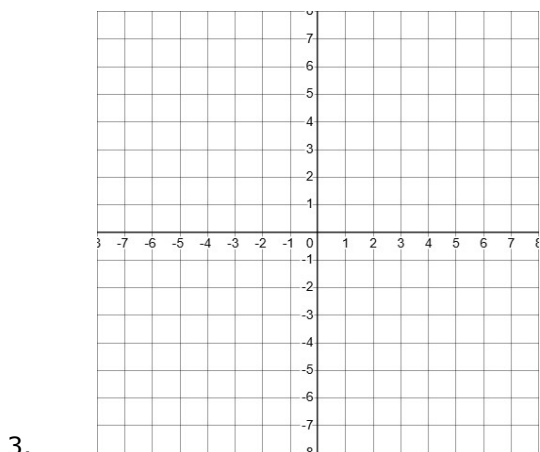
2.

a) $y = -4x + 2$ b) $y = -2x - 4$

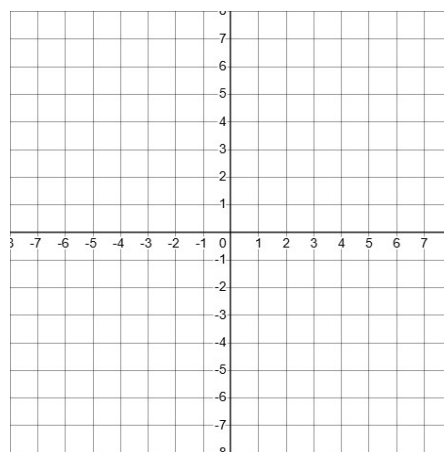c) $y = \frac{-1}{4}x - 2$ d) $y = \frac{3}{4}x + 6$

3.

a) $y = 3x + 2$ b) $y = -x - 4$

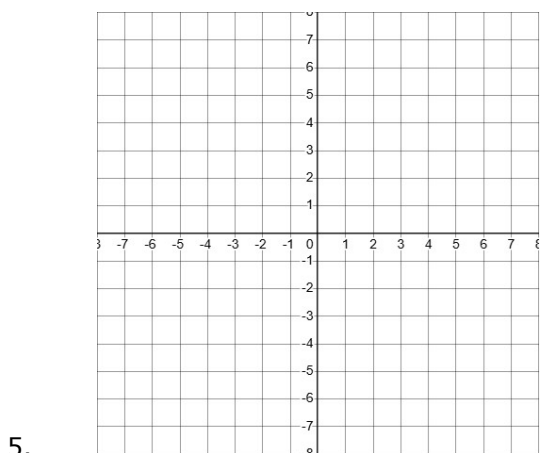c) $y = \frac{1}{2}x + 3$ d) $y = \frac{5}{2}x - 5$

4.

a) $y = 2x - 5$ b) $y = 4x + 2$

c) $y = \frac{-1}{3}x + 1$ d) $y = \frac{2}{5}x - 2$
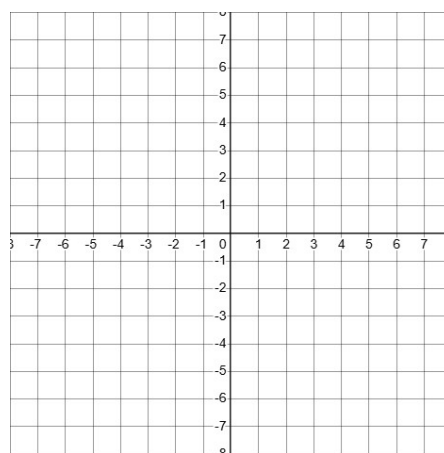
5.

a) $y = 2x - 4$ b) $y = -3x + 1$

c) $y = \frac{1}{2}x - 2$ d) $y = \frac{-2}{3}x + 2$

6.

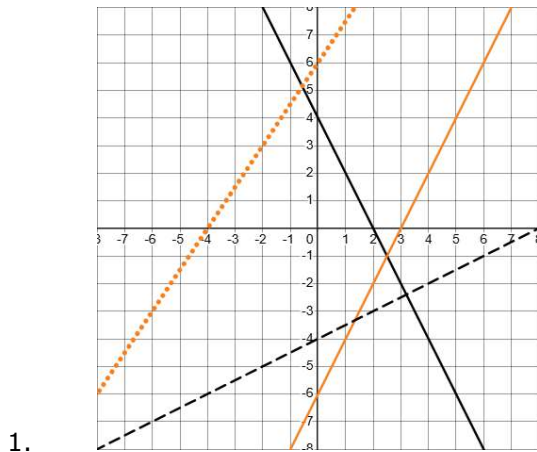a) $y = 4x - 8$ b) $y = -2x + 3$

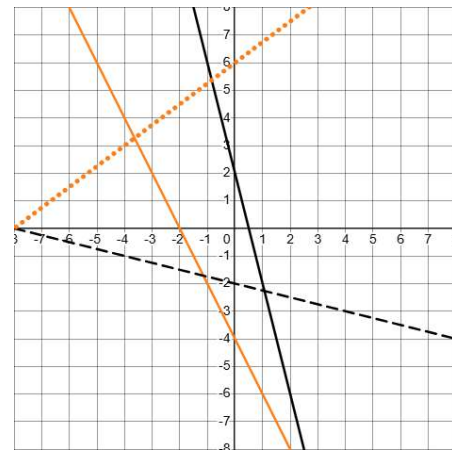c) $y = \frac{1}{4}x - 2$ d) $y = \frac{-3}{2}x - 6$

Answers : Basic Drawing Lines #1

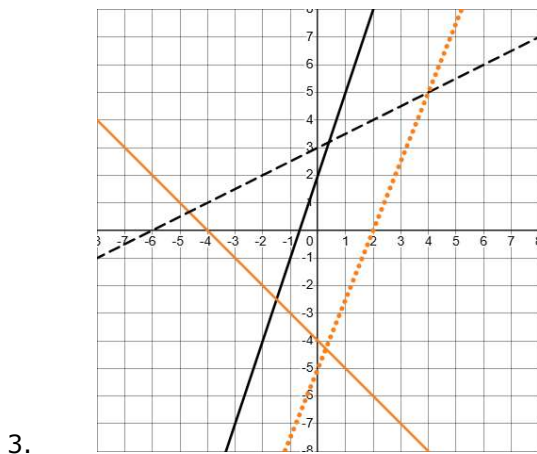The lines drawn do not need to go all the way to the edge, but must include **both** intercepts.

a) is solid black, b) is solid orange, c) is dashed black and d) is dotted orange.
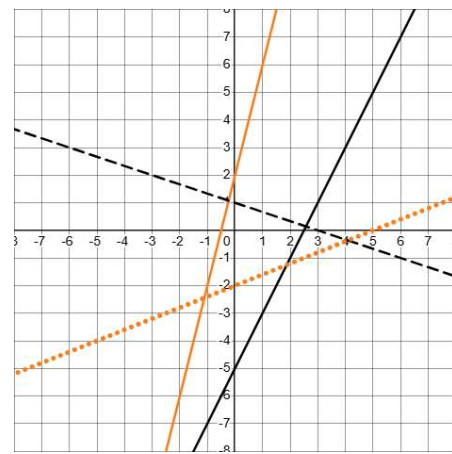

1.

a) $y = -2x + 4$ b) $y = 2x - 6$

c) $y = \frac{1}{2}x - 4$ d) $y = \frac{3}{2}x + 6$
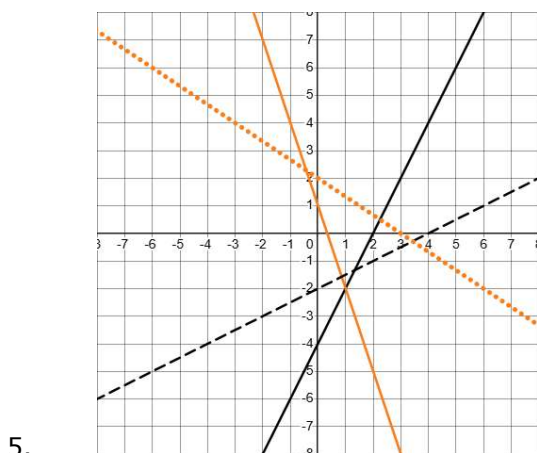

2.

a) $y = -4x + 2$ b) $y = -2x - 4$

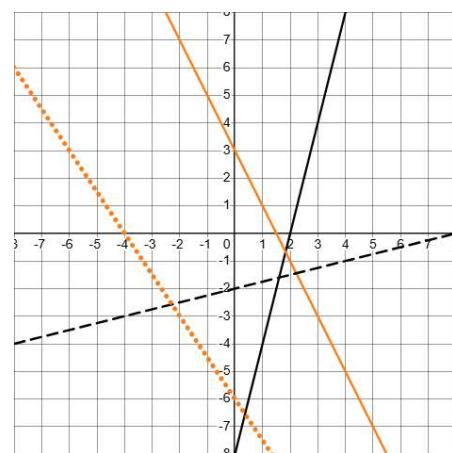c) $y = \frac{-1}{4}x - 2$ d) $y = \frac{3}{4}x + 6$

3.

a) $y = 3x + 2$ b) $y = -x - 4$

c) $y = \frac{1}{2}x + 3$ d) $y = \frac{5}{2}x - 5$

4.

a) $y = 2x - 5$ b) $y = 4x + 2$

c) $y = \frac{-1}{3}x + 1$ d) $y = \frac{2}{5}x - 2$

5.

a) $y = 2x - 4$ b) $y = -3x + 1$

c) $y = \frac{1}{2}x - 2$ d) $y = \frac{-2}{3}x + 2$

6.

a) $y = 4x - 8$ b) $y = -2x + 3$

c) $y = \frac{1}{4}x - 2$ d) $y = \frac{-3}{2}x - 6$