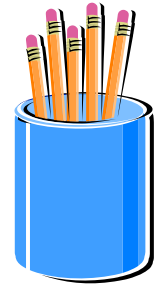
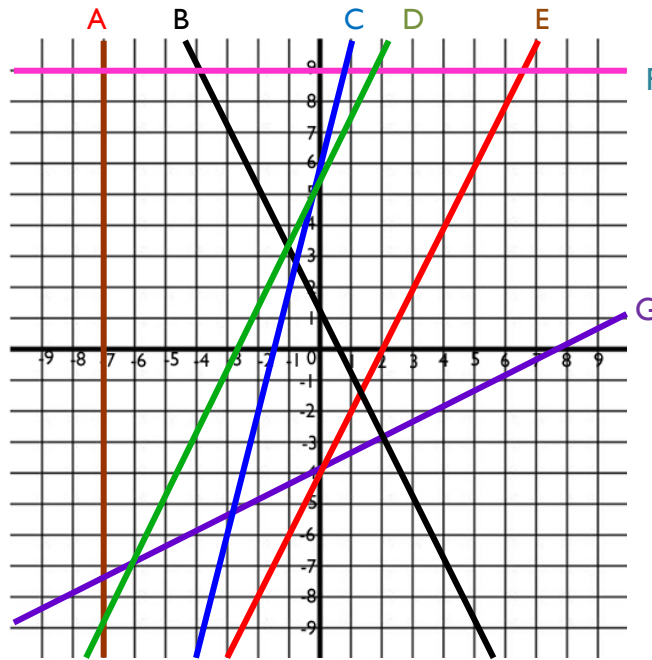


Task 1



1. Which lines have a y-intercept at:
 - a. 1?
 - b. 6?
 - c. -4?
2. Which lines have a gradient (slope) which is:
 - a. positive?
 - b. negative?
 - c. zero?
 - d. infinite?
3. Which lines are parallel?

Task 2

Complete the following sentences, using these words:

steeper
(0,-3)
y-intercept
shallower
parallel
negative
(0,2)
steep
gradient
crosses
equal

- 'm' tells us the _____. This is how _____ the line is.
- 'c' tells us the _____. This is where the line _____ the y-axis.
- The y-intercept of line $y = x + 2$ is _____.
- The y-intercept of line $y = x - 3$ is _____.
- $y = 4x$ is _____ than $y = 2x$.
- $y = \frac{1}{2}x$ is _____ than $y = 3x$.
- $y = -2x$ has a _____ gradient, so the line goes downhill (from left to right).
- $y = 2x + 1$ and $y = 2x - 3$ have _____ gradients so they are _____ lines.

Task 3

Match each line on the axis above to an equation.

$y = 2x - 4$ $y = \frac{1}{2}x - 4$ $y = 4x + 6$ $y = 2x + 6$ $y = -2x + 1$ $x = -7$ $y = 9$