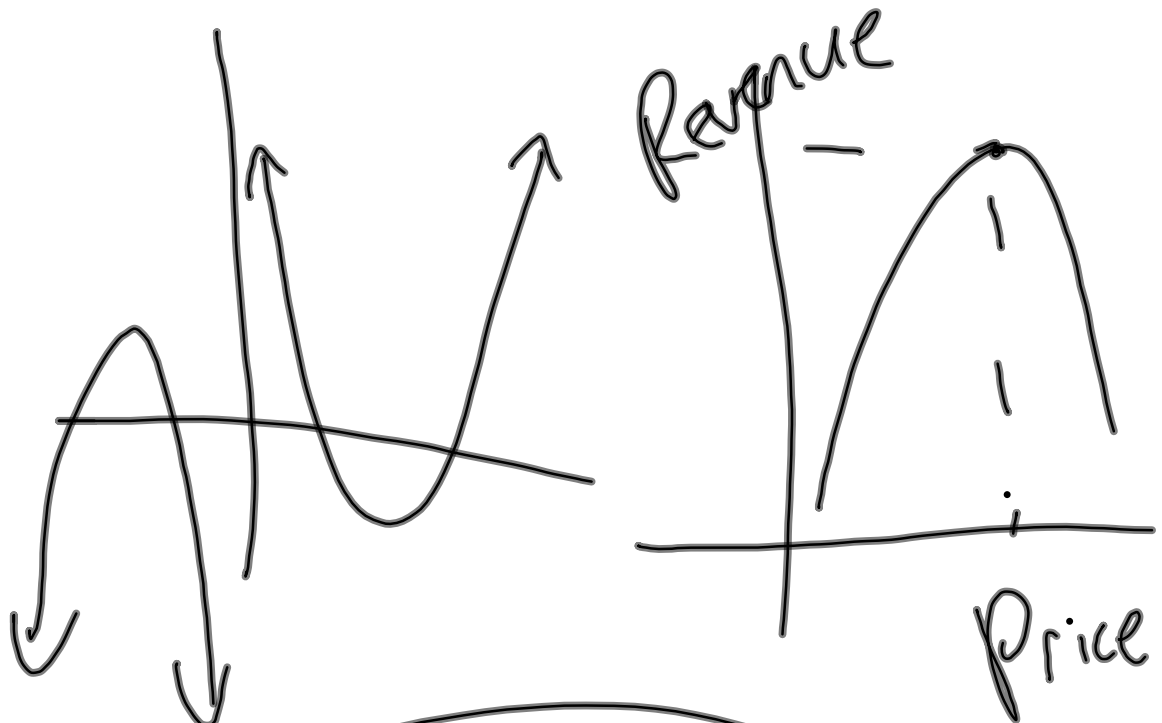


Math 20

25% Quizzes, Assignments,
Projects

50% Tests

75% Final



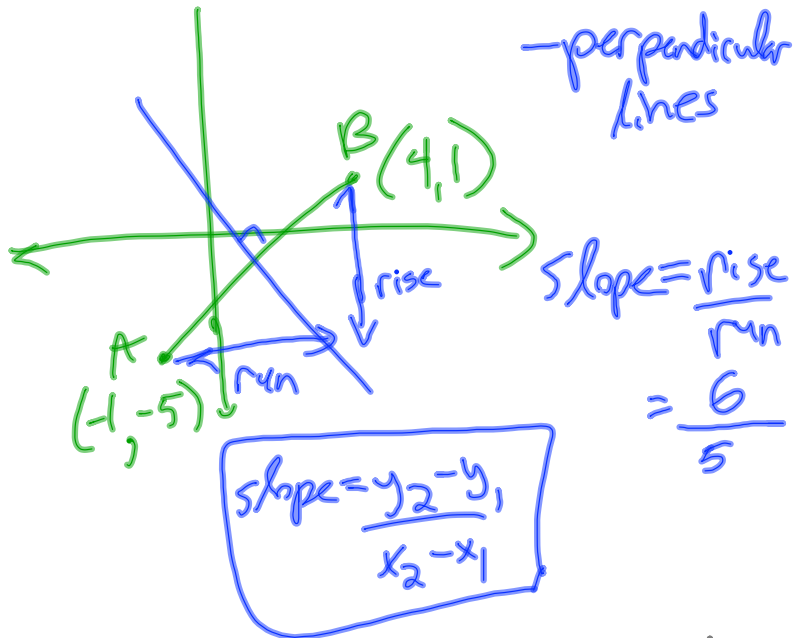
$$y = x^2 + 4x + 6$$

$$0 = x^2 + 4x + 6$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Lines

- connecting two points



$$y = mx + b$$

↑
↑
 slope y-int

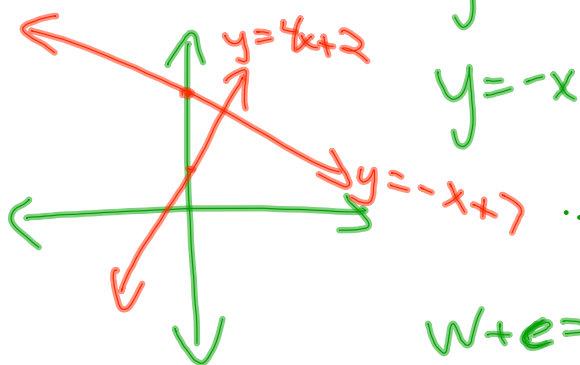
$$y = 2x$$

$$y = 4x$$

$$y = 0.2x$$

$$y = 4x + 2$$

$$y = -x + 7$$



$$w + e = 12$$

$$w - 2e = 0$$

$$w = 2e$$

$$w + e = 12$$

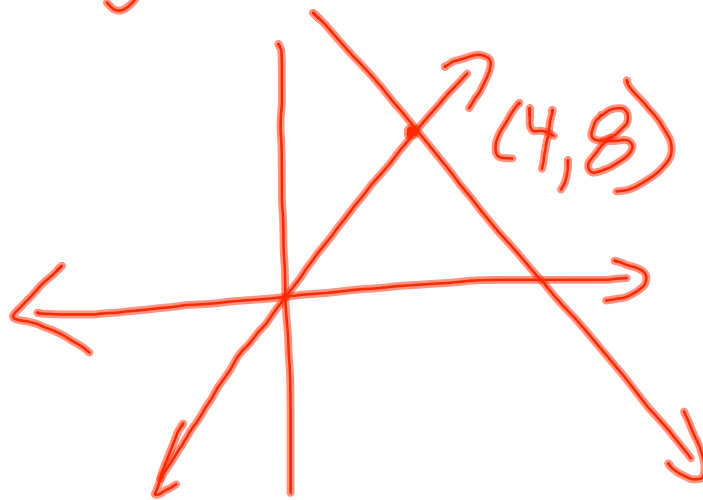
$$y + x = 12$$

$$w - 2e = 0$$

$$y - 2x = 0$$

$$y = 12 - x$$

$$y = 2x$$



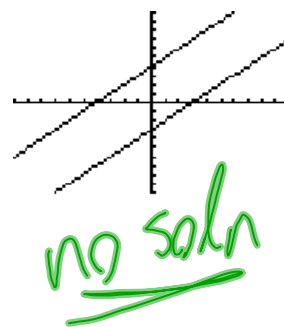
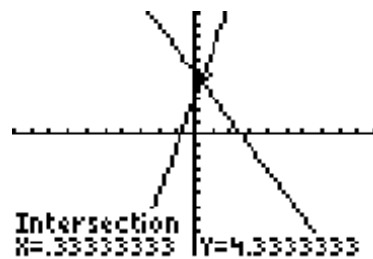
Solve graphically

$$a) \quad y = 4x + 3$$

$$y = -2x + 5$$

$$b) \quad y = x + 4$$

$$y = x - 3$$



$$c) \quad 3x + 2y = -10$$

$$6x + 20 = -4y$$

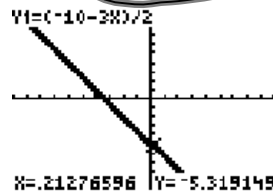
$$2y = -10 - 3x$$

$$y = \frac{-10 - 3x}{2}$$

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

$$\frac{6x + 20}{-4} = y$$

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



infinite
number
of
solutions