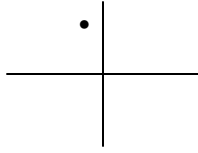


## Math 1160 – Section 1.1 Answer Key

2. Start at the origin (go left 1 unit and up 4 units)



10. D (-8, 10)

14. The point is on the line.

$$\text{Solve } -2(1/3) + (1/3)(-1) = -1$$

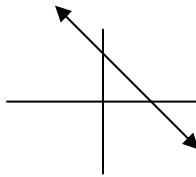
18.  $m = 2/3$   $b = 0$

22.  $y = 3/4x + 15$

26. x-intercept = (0, 0)    y-intercept = (0, 0)

32. Graph  $x + y = 3$

Find 2 points (0,3) (3,0)

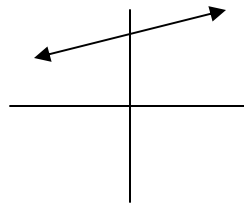


36. D, E, F

Convert all equations into standard form ( $y = mx + b$ ) and see which equations are the same as the equation given.

38. C    Plug the coordinates of the 2 points into each equation.

- 42a. Use 2 points to graph (0,14) (1, 15.15)



- 42b. In 2000, ecotourism income is \$14,000.

- 42c. Approximately 2005 (solve for x and convert answer to actual year)

$$20 = 1.15x + 14$$

- 42d. \$32,400 (solve for y and convert answer to actual dollars)

$$y = 1.15(16) + 14$$