

Homework Questions p.110 #17-30

$$19. x - 3 = 0$$

linear, vertical

$$23. \frac{x}{2} + \frac{y}{3} = 1$$

linear, diagonal

$$24. \frac{2}{x} - \frac{3}{y} = 1$$

non linear

$$30. \frac{x}{5} + \frac{y}{-2} = 1$$

$$\text{x-int: } y=0 \quad \left(\frac{x}{5} = 1\right) 5$$

$$x=5$$

$$\text{x-int} \\ (5, 0)$$

$$\text{y-int: } x=0 \quad \left(\frac{y}{-2} = 1\right) (-2)$$

$$y=-2$$

$$\text{y-int} \\ (0, -2)$$

Homework Assessment

22. Is the following equation non-linear or linear, and if it is linear is it horizontal, vertical or neither?

$$2y + 3 = 0$$

23. $2x - y = 6$ find intercepts