1. Write the equation of the line that passes through this pair of points in both Point-Slope and Slope-Intercept Form. (6, 17)&(-3, 2)

$$\begin{array}{l} y - y_{1} = m(x - x_{1}) \\ \hline Point - Slope \\ y - 17 = \frac{5}{3}(x - 6) \\ \gamma - 2 = \frac{5}{3}(x - 6) \\ \hline Y - 2 = \frac{5}{3}(x - 6) \\ \hline Y = \frac{5}{3}(x - 6) \\ \hline Y = \frac{5}{3}(x - 7) \end{array}$$





Write the equation of this line. Line passes through these points

Answer: EQ: U= - (

Write the equation of this line.

Line has a slope of zero and passes through the point (15, -3)



Answer EQ:



Write the equation of this line. The slope of a line is undefined and it passes through the point (0,6)

Answer EQ: X = O

Write the equation of this line. Line passes through these points

(1.5, 2) &
$$(\frac{3}{2}, -2)$$

 $\checkmark_{1.5}$
Answer EQ: $\chi = 1.5$







4. Use this line: y = 2x - 9a) Write the equation of the line that is parallel to this line and passes through (-4, 9)

b) Write the equation of the line that is perpendicular to this line and passes through (6,1)

$$Y - I = \frac{-1}{2} (\chi - \zeta_{2})$$