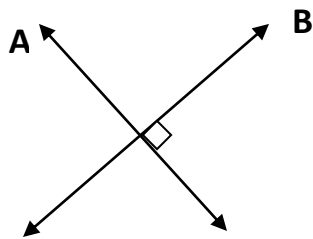


Find Equation of a Perpendicular Line



$$\text{Slope B} = \triangle$$

$$\text{Slope A} = \frac{-1}{\triangle}$$

Line A Includes Point: ( , )

Equation For Line A:

$$Y = \frac{-1}{\triangle} X + b$$

$$\text{blue circle} = \frac{-1}{\triangle} \cdot \text{green square} + b$$

Now solve for b, see next page for further support.

$$\text{blue circle} - \left(\frac{-1}{\text{yellow triangle}} \cdot \text{green square} \right) = b$$

$$\underline{\hspace{2cm}} = b$$

Equation For Line A:

$$Y = \frac{-1}{\text{yellow triangle}} X + \underline{\hspace{2cm}}$$