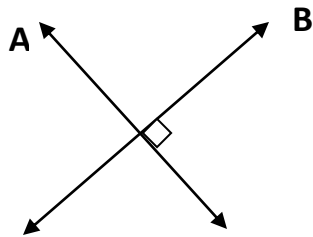


# Find Equation of a Perpendicular Line



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

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

Line A Includes Point: ( ,  )

Find Equation For Line A:

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

$$\text{○} = \frac{-1}{\triangle} \cdot \text{□} + b$$

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

$$\bigcirc - \left( \frac{-1}{\triangle} \cdot \square \right) = b$$

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

**Equation For Line A:**

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