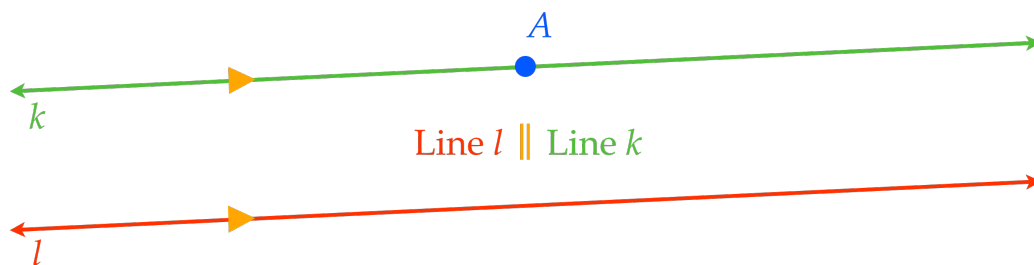


Parallel Postulate

If there is a **line** and a **point**, not on the **line**,
then there is exactly **one line** through the **given point** that is parallel to the **given line**.

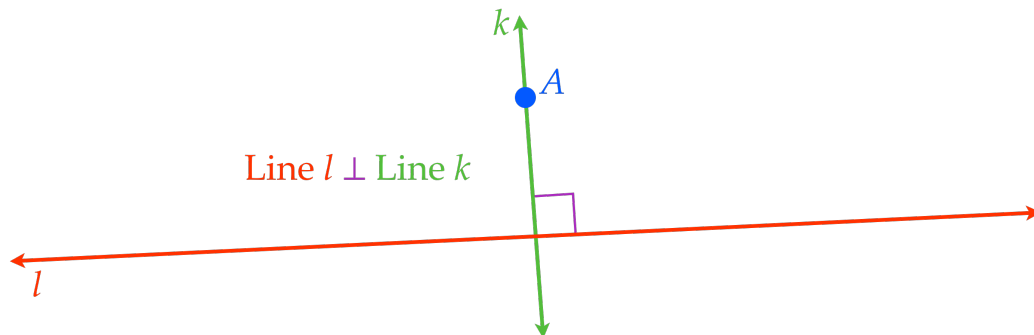
Given **Line l** ... and **Point A** , not on **Line l** ...
only **one line**, **Line k** , will go through **Point A** , that is parallel to **Line l** .



Perpendicular Postulate

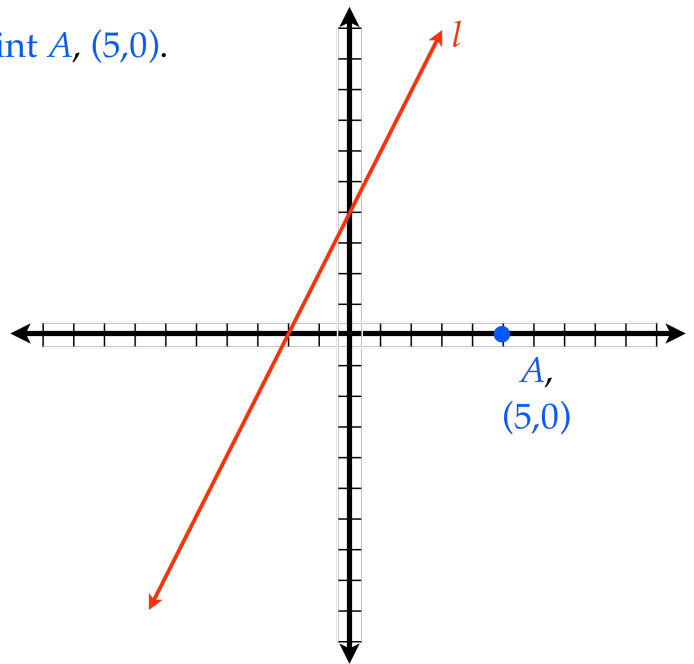
If there is a **line** and a **point**, not on the **line**,
then there is exactly **one line** through the **given point** that is **perpendicular** to the **given line**.

Given **Line l** ... and **Point A** , not on **Line l** ...
only **one line**, **Line k** , will go through **Point A** , that is **perpendicular** to **Line l** .



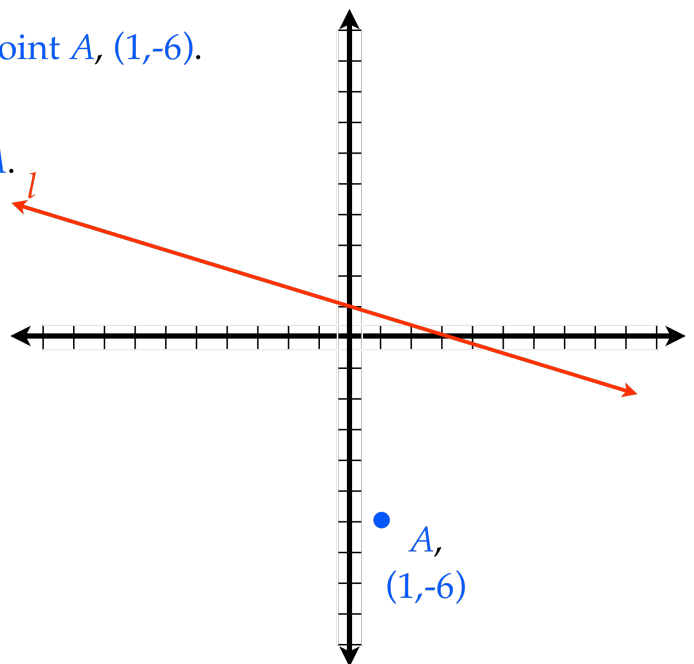
Given, Line l with equation $y = 2x + 4$ and Point A , $(5,0)$.

Determine the equation of Line t that is parallel to Line l going through Point A .



Given, Line l with equation $y = -\frac{1}{3}x + 1$ and Point A , $(1,-6)$.

Determine the equation of Line t that is perpendicular to Line l going through Point A .



Parallel Postulate

If there is a **line** and a **point**, not on the **line**,
then there is exactly **one line** through the **given point** that is parallel to the **given line**.

Perpendicular Postulate

If there is a **line** and a **point**, not on the **line**,
then there is exactly **one line** through the **given point** that is **perpendicular** to the **given line**.

