

NAME Key

## LEARNING LOG

Chapter 1

Date 9/8

Title of Learning Log Slopes of Parallel & Perpendicular Lines.

• Perpendicular -  $90^\circ$  -  $\perp$

- slopes are opposite reciprocals.

"Flip the sign, flip the fraction"

$$\text{slope of original} = \frac{3}{5}$$

$$\text{slope of perpendicular} = -\frac{5}{3}$$

• Parallel - lines never touch - //

- slopes are the same.

$$\text{slope of original} = \frac{3}{5}$$

$$\text{slope of parallel} = \frac{3}{5}$$

### CheckList:

- Did I answer **ALL** parts of the Learning Log?
- Did I provide an example and/or use multiple representations?
- Did I explain clearly? (*REREAD your work*)
- Did I use complete sentences?