**Writing an Equation**

What 2 things do you need?

m = slope

Point

(x1 , y1)

**Point-Slope:**

**Slope-Intercept:**

**Standard:**

The slopes of **parallel** lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ex. y = –5x + 6 is parallel to y = \_\_\_\_\_\_\_\_

The slopes of **perpendicular** lines are \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ex. y = –5x + 6 is perpendicular to y = \_\_\_\_\_\_\_\_\_

Write the equation of the line (Standard Form) that is parallel to the line

2x – 3y = –7 that goes through (–6, 3)

Write the equation of the line (Slope–Intercept Form) that goes through

(–2, 5) and is perpendicular to the line –3x – 4y = 8.