8th Grade Pre-Algebra Worksheet 9.3

Name

Find the slope of the line passing through the given points. SHOW YOUR WORK.

2.
$$(2,-5),(2,4)$$

$$M = \frac{2-4}{5-2} = \frac{-2}{3}$$

$$M = \frac{4++5}{7-2} = \frac{9}{0}$$

$$NOSLOPE$$
or undefined

$$M = \frac{7-1}{b-4} = \frac{b}{2} = \frac{3}{3}$$

$$M = \frac{3-3}{-4-8} = \frac{0}{-12} = \boxed{0}$$

$$M = \frac{4 + 8}{3 - 6} = \frac{12}{-3} \qquad M = \frac{-4 - 2}{2 + 5} = \frac{12}{2 + 5}$$

$$M = \frac{-4 - 2}{2 + + 5} = \begin{bmatrix} -6 \\ 7 \end{bmatrix}$$

8.
$$(-3,-2),(-1,-7)$$

$$M = \frac{-5 - 7}{-9 - 3} = \frac{-12}{-12} = \boxed{1}$$

$$M = \frac{-7 + +2}{-1 + +3} = \boxed{5}$$

$$M = \frac{-1 - 3}{4 + +2} = \frac{-4 - 2}{6 - 2}$$

$$-1 + +3 = \boxed{2}$$

$$M = \frac{-1 - 3}{4 + +2} = \frac{-4 - 2}{6 - 2}$$

$$M = \frac{-7 + +2}{-1 + +3} = \boxed{-5}$$

$$M = \frac{-1 - 3}{4 + + 2} = \frac{-4 - 2}{6 - 2}$$

$$= \frac{-2}{3}$$