

I. Determine the slope of the line given the set of two points.

1. $(2,7), (-2,-1)$ $m = \underline{\hspace{2cm}}$
2. $(4,2), (6,7)$ $m = \underline{\hspace{2cm}}$
3. $(-2,14), (2,-6)$ $m = \underline{\hspace{2cm}}$
4. $(-1,5), (1,-9)$ $m = \underline{\hspace{2cm}}$
5. $(-6,0), (0,4)$ $m = \underline{\hspace{2cm}}$

II. Determine if the slope and describe whether the line is horizontal or vertical

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|----------------------|--------------------------------|---|
| 1. $(5,2), (-5,2)$ | $m = \underline{\hspace{2cm}}$ | Type of line: <u> </u> |
| 2. $(4,-2), (-5,-2)$ | $m = \underline{\hspace{2cm}}$ | Type of line: <u> </u> |
| 3. $(-5,-2), (-5,2)$ | $m = \underline{\hspace{2cm}}$ | Type of line: <u> </u> |
| 4. $(3,1), (3,6)$ | $m = \underline{\hspace{2cm}}$ | Type of line: <u> </u> |
| 5. $(-4,-1), (-4,8)$ | $m = \underline{\hspace{2cm}}$ | Type of line: <u> </u> |

III. Determine the missing value.

1. $(-3,-3), (5, \underline{\hspace{1cm}})$ $m = 2$
2. $(\underline{\hspace{1cm}}, -7), (2,5)$ $m = 4$
3. $(-5, \underline{\hspace{1cm}}), (2,6)$ $m = 1$
4. $(2,4), (\underline{\hspace{1cm}}, 11)$ $m = 5$