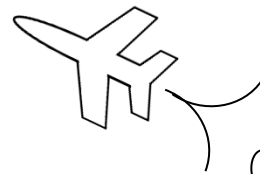


# Math on the Fly!



NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

## Finding the Slope Between Two Points

Find the slope of the line that passes through each set of points.

1.  $(3,2)$  and  $(9,7)$

2.  $(4,5)$  and  $(13,5)$

3.  $(0,8)$  and  $(2,1)$

4.  $(6,7)$  and  $(6,4)$

5.  $(-2,5)$  and  $(3,-5)$

6.  $(-3,0)$  and  $(-1,16)$

7.  $(4,2)$  and  $(4,9)$

8.  $(-3,-9)$  and  $(7,-5)$

9.  $(12,3)$  and  $(0,6)$

10.  $(-1,8)$  and  $(-9,8)$

11.  $(7,1)$  and  $(5,-1)$

12.  $(-2,10)$  and  $(4,2)$

13.  $(3,4)$  and  $(14,7)$

14.  $(0,0)$  and  $(2,8)$

## SOLUTIONS

$$1. \quad m = \frac{7-2}{9-3} = \boxed{\frac{5}{6}}$$

$$2. \quad m = \frac{5-5}{13-4} = \frac{0}{9} = \boxed{0}$$

$$3. \quad m = \frac{1-8}{2-0} = \boxed{\frac{-7}{2}}$$

$$4. \quad m = \frac{4-7}{6-6} = \frac{-3}{0} = \boxed{\text{undefined}}$$

$$5. \quad m = \frac{-5-5}{3-(-2)} = \frac{-10}{5} = \boxed{-2}$$

$$6. \quad m = \frac{16-0}{-1-(-3)} = \frac{16}{2} = \boxed{8}$$

$$7. \quad m = \frac{9-2}{4-4} = \frac{7}{0} = \boxed{\text{undefined}}$$

$$8. \quad m = \frac{-5-(-9)}{7-(-3)} = \frac{4}{10} = \boxed{\frac{2}{5}}$$

$$9. \quad m = \frac{6-3}{0-12} = \frac{3}{-12} = \boxed{\frac{-1}{4}}$$

$$10. \quad m = \frac{8-8}{-9-(-1)} = \frac{0}{-8} = \boxed{0}$$

$$11. \quad m = \frac{-1-1}{5-7} = \frac{-2}{-2} = \boxed{1}$$

$$12. \quad m = \frac{2-10}{4-(-2)} = \frac{-8}{6} = \boxed{\frac{-4}{3}}$$

$$13. \quad m = \frac{7-4}{14-3} = \boxed{\frac{3}{11}}$$

$$14. \quad m = \frac{8-0}{2-0} = \frac{8}{2} = \boxed{4}$$