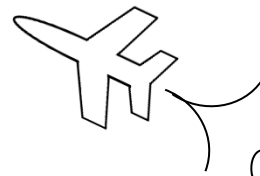




MAth on the Fly!



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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