

Classify Lines from Slopes

Assume the lines are distinct. Classify each pair as parallel, perpendicular, or neither.

1. Classify the pair of slopes.

m1: $\frac{1}{5}$ m2: $\frac{1}{5}$

Classification: _____

2. Classify the pair of slopes.

m1: $\frac{5}{7}$ m2: $-\frac{7}{5}$

Classification: _____

3. Classify the pair of slopes.

m1: $-\frac{12}{11}$ m2: $\frac{3}{4}$

Classification: _____

4. Classify the pair of slopes.

m1: $\frac{7}{4}$ m2: $\frac{7}{4}$

Classification: _____

5. Classify the pair of slopes.

m1: $-\frac{11}{5}$ m2: $\frac{3}{4}$

Classification: _____

6. Classify the pair of slopes.

m1: $-\frac{9}{2}$ m2: $\frac{2}{9}$

Classification: _____

7. Classify the pair of slopes.

m1: $-\frac{3}{5}$ m2: $-\frac{1}{12}$

Classification: _____

8. Classify the pair of slopes.

m1: undefined m2: undefined

Classification: _____

9. Classify the pair of slopes.

m1: 0 m2: undefined

Classification: _____

10. Classify the pair of slopes.

m1: $-\frac{8}{9}$ m2: $-\frac{11}{4}$

Classification: _____