10/23/19 - Warm Up Problem

Calculate the slope of each line.

Line 1: (1,3) and (-3,-5)

2 $\frac{3--5}{1--3} = \frac{8}{4}$ $\frac{y_2-y_1}{x_2-x_1}$

Line 2: (2,-2) and (5,4)

2 $\frac{-2-4}{2-5} = \frac{-6}{-3}$

Are they Parallel, Perpendicular, or Neither?

parallel

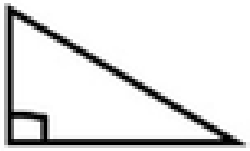
Section 3.5 - Parallel Lines and Triangles

Goal: classify triangles calculate angle measures of triangles

Classifying Triangles by Angle Measure

ACUTE : all three angles are acute

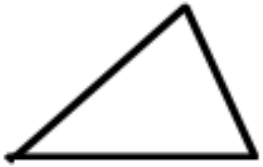
OBTUSE : has one obtuse angle



RIGHT : has one right angle

EQUIANGULAR : all three angles are congruent

Classifying Triangles by Side Length



SCALENE : no sides are congruent

ISOSCELES : at least 2 sides congruent

EQUILATERAL : all 3 sides congruent