

A parallelogram:  
 - Slope on all sides (shows opp sides  $\parallel$ )  
 OR  
 - distance on all sides (shows opp sides  $\cong$ )

Rhombus:  
 - Distance on all 4 sides (all 4 sides  $\cong$ )

Rectangle:  
 - Slope on all 4 sides (show neg. recip. to show all sides are  $\perp$ .)

Square:  
 - slope (4 sides) AND Distance (4 sides)

Trapezoid:  
 - Slope on all sides (shows one pair of opp. sides are  $\parallel$ )

Isosceles Trapezoid:  
 - Slope on all 4 sides (1 pair opp sides) AND  
 - Distance on the legs (legs are  $\cong$ .)

Oct 6-11:23 AM

Triangles

Isoscles Triangles:  
 - Distance on all 3 sides (shows 2 sides are  $\cong$ .)

Right Triangle:  
 - Slope on all 3 sides (one set of negative recip. to show  $\perp$ )  
 OR  
 - Distance on 3 sides then show Pythagorean theorem works.

Isosceles Right Triangle:  
 - Distance on 3 sides (shows 2 sides  $\cong$ ) Then Pythagorean theorem to show Right  $\triangle$ .

Oct 6-11:37 AM