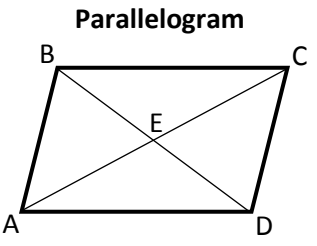
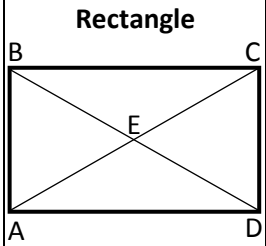
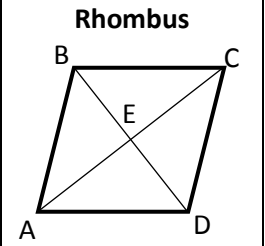
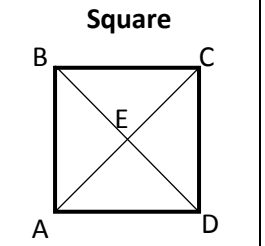
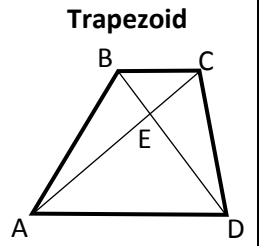
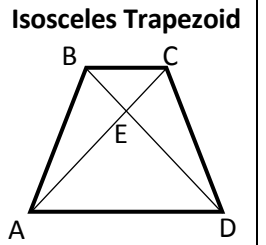


Using your background knowledge on quadrilaterals, the textbook for unit 6, and your universal angle maker and compass, complete the following chart. The drawings of quadrilateral ABCD with diagonals intersecting at E are to scale.

	Parallelogram	Rectangle	Rhombus	Square	Trapezoid	Isosceles Trapezoid
State all of the following, if applicable						
The pairs of parallel quad sides						
The pairs of congruent quad sides						
The pairs of congruent quad angles						
The pairs of perpendicular quad sides						
Are diagonals congruent?						
Are diagonals perpendicular?						
Name all right triangles, if applicable						

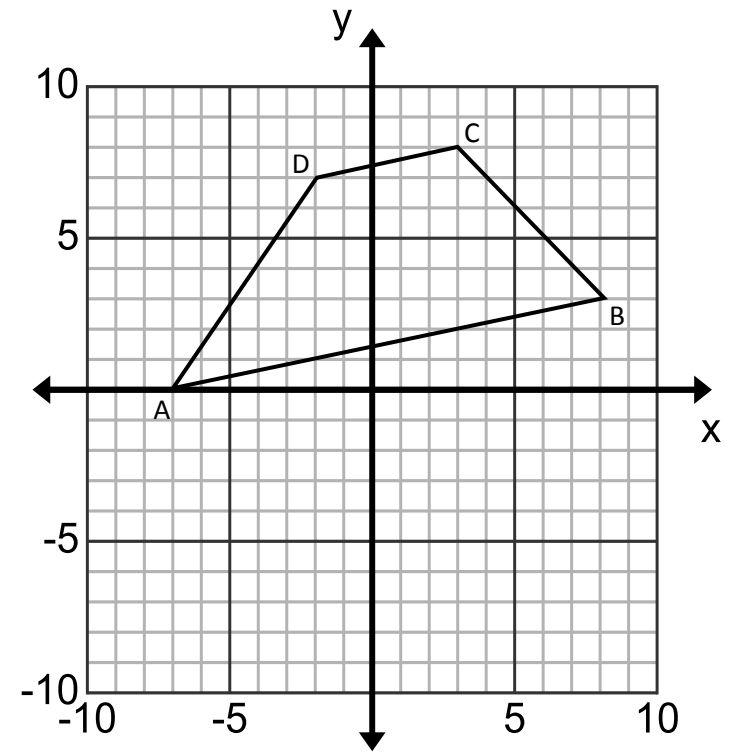
Given the quadrilateral in the coordinate plane,

1) Calculate the slope of \overline{AB} using the slope formula or by counting.

→ The slope of any parallel segment would be _____

→ The slope of any perpendicular segment would be _____

2) Calculate the length of \overline{AB} using the distance formula or Pythagorean Theorem.



3) Were your answers to part 1 and 2 the same? _____

→ Slope can be used to show segments are _____ or _____.

→ Distance formula/Pythagorean Theorem can be used to show segments are _____.

4) Calculate the midpoint of \overline{DB} using the midpoint formula or counting.

→ A midpoint _____ a segment into two congruent halves.