Directions: Given the vertices, determine the quadrilaterals most specific classification: Parallelogram, Rectangle, Rhombus, or Square. Justify your answer using the distance formula.

> rhombus/ Square?

1. S(-9, 14), T(1, 10), U(-3, 0), I(-13, 4)

ST = 1116

WV = V116

SV = 1116

TU= 1116

Su= 1232 > = diagonals

VIT= 1232

STUI' is a \_\_\_\_

2. E(-7, -4), F(2, -3), G(0, -7), H(-9, -8)

FF = 182

EH = 120

FB = 120

GH= 182 > parallelogram
or retargle?

EG= 158 > 7 diagonals FH=1146

EFGHisa Parallelogran

Which quadrilaterals always have diagonals that are congruent?

- Parallelograms
- Rectangles
- ☐ Rhombi
- Squares

Which quadrilaterals always have consecutive angles that are supplementary?

- Parallelograms
- Rectangles
- Rhombi
- Squares

Name: _	Ken	

3. A(-5, 8), B(-2, 14), C(12, 7), D(9, 1)

ABCD is a Rectangle

parallelogran
or rictangle?

4. K(5, -3), L(7, 1), M(9, -3), N(7, -7)

KIMN is a Chombus

Which quadrilaterals always have diagonals that are perpendicular?

- Parallelograms
- Rectangles
- Rhombi
- Squares

Which quadrilaterals always have diagonals that bisect each other?

- Parallelograms
- Rectangles
- Rhombi
- Squares