

Worksheet 1	Worksheet 2
1. Parallelogram with common midpoint of diagonals (0, .5)	1. Parallelogram with common midpoint of diagonals (-5, -4.5)
2. Not a parallelogram	2. Parallelogram with opposite slopes sqrt 37 and sqrt 29.
3. It is a square.	3. It is a parallelogram.
4. Parallelogram with opposite slopes of 3 and 2/3.	4. Parallelogram with opposite slopes of 3 and 2/3.
5. Trapezoid with parallel slopes of -2/3.	5. Not a trapezoid. Both pair of opposite sides are parallel so it is a parallelogram.
6. Parallelogram with common midpoint of diagonals (-5, .5).	6. Not a parallelogram. Midpoints of diagonals are (6, 2.5) and (6, -5.5).
7. Not a parallelogram.	7. Parallelogram with opposite slopes sqrt 26 and sqrt 34.

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1. (1,1), (7,-3), (-3,9)
2. WXYZ is a square. All sides have a length of 5 and the adjacent slopes are negative reciprocals of 4/3 and -3/4 which gives us 4 right angles.
3. PQRS is a rhombus because all 4 sides have the same length. (Sqrt 17).