

Given the four vertices for each quadrilateral.

Step 1: plot and label the points

Step 2: draw the segments between points to create a quadrilateral

Step 3: find the slope of each side (using the slope formula AND the graph to check)

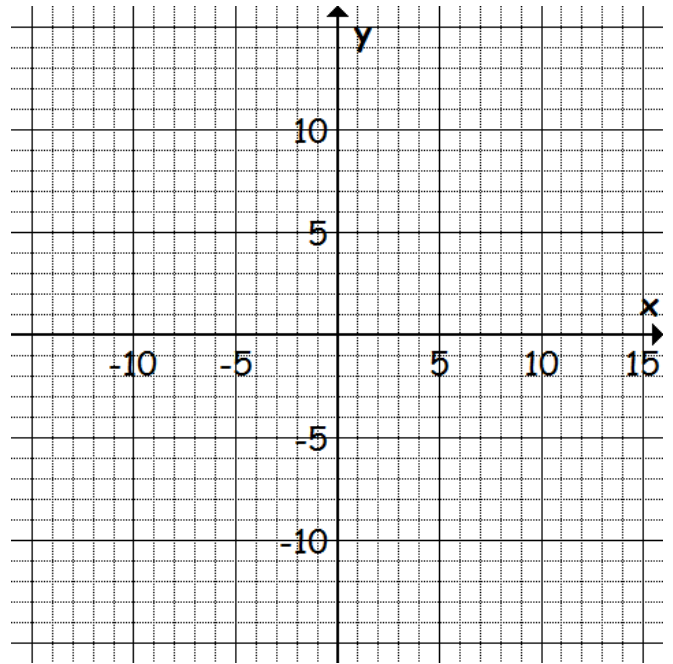
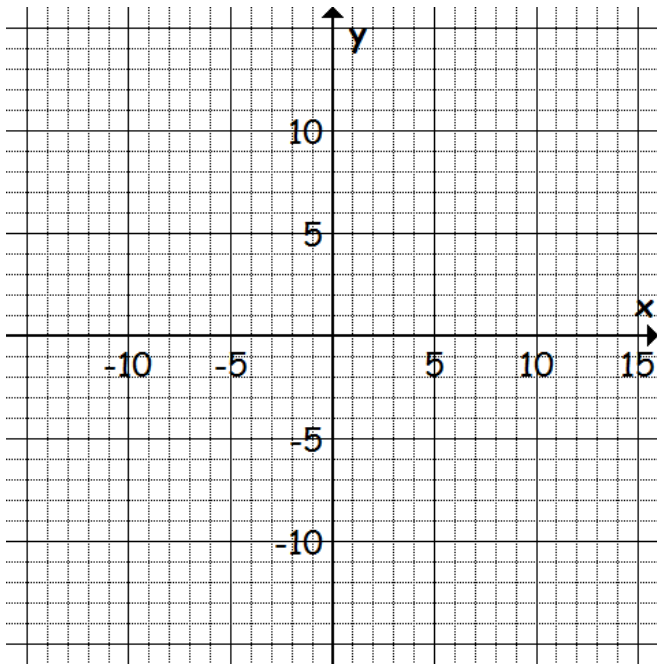
Step 4: list which sides are parallel (||) or perpendicular (⊥).

Step 5: state if it is a

(a) Parallelogram, (b) rectangle, (c) square, (d) rhombus, or (e) none of the above.

1. A(-8, -5), B(-5,10), C(6,8), and D(3, -7)

2. E(12, 13), F(-8, -14), G(0,10), and H(4,-11)



<u>Side</u>	<u>slope(show your work)</u>

<u>Side</u>	<u>slope(show your work)</u>

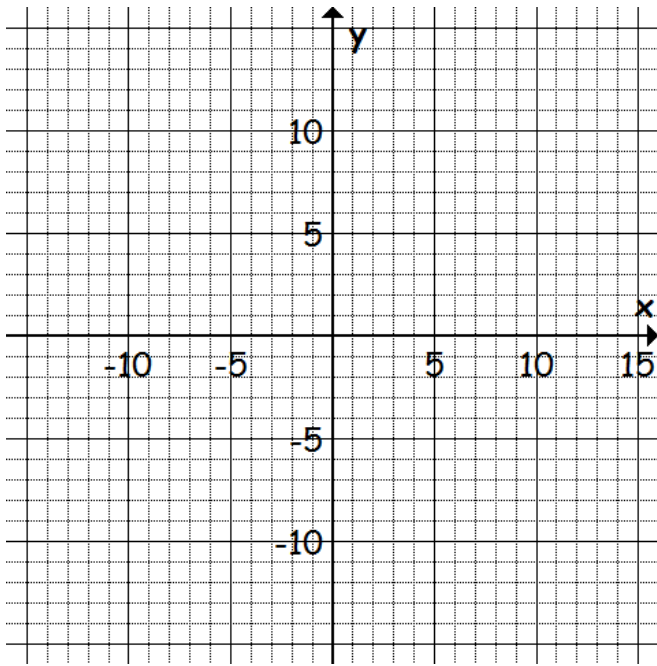
Perpendicular and parallel side pairs:

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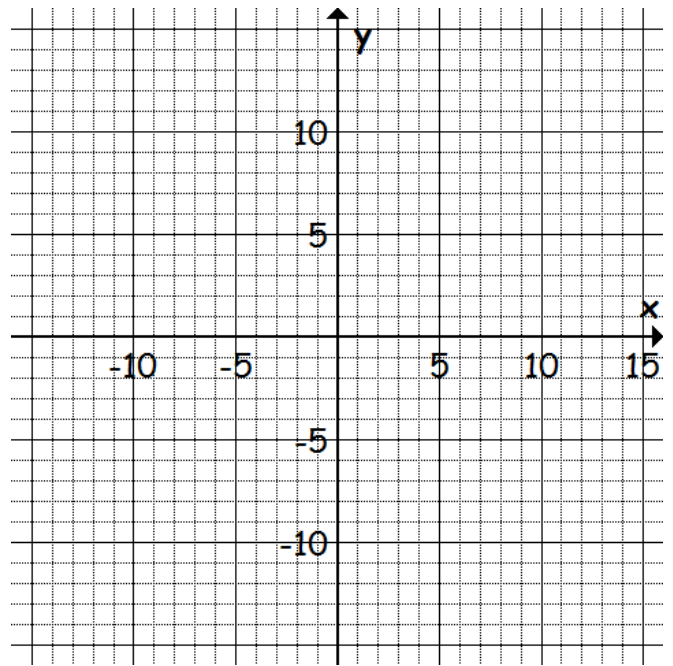
This quadrilateral is a _____
because:

This quadrilateral is a _____
because:

3. K(-8,14), L(-12,9), M(12,-1), N(0, -7)



4. R(-4,5), S(-9, -10), T(0,-4) and U(2, 9)



Side	slope(show your work)

Side	slope(show your work)

Perpendicular and parallel side pairs:

Perpendicular and parallel side pairs:

This quadrilateral is a _____
because:

This quadrilateral is a _____
because:

B-Level

5. List two additional points that would create a parallelogram with side \overline{AB} .

