Step 3 Compare the slopes.

Since the slope of \overline{PQ} is the same as the slope of _____, \overline{PQ} is parallel to _

Since the slope of \overline{QR} is the same as the slope of _____, \overline{QR} is parallel to _____.

Quadrilateral PQRS is a parallelogram because

Reflect

What If? Suppose you know that the lengths of \overline{PQ} and \overline{QR} in the figure in Example 1B are each $\sqrt{20}$. What type of parallelogram is quadrilateral PQRS? Explain.

Your Turn

Show that each figure is the given type of quadrilateral.

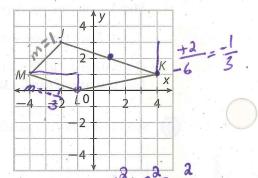
Show that JKLM is a trapezoid.

1 pair of

JKLM is a trap. // sides ble MI//JK

So... slopes are =





Show that ABCD is a parallelogram.

AB / DC m= 3 opp. sides BC / AD M=-2

