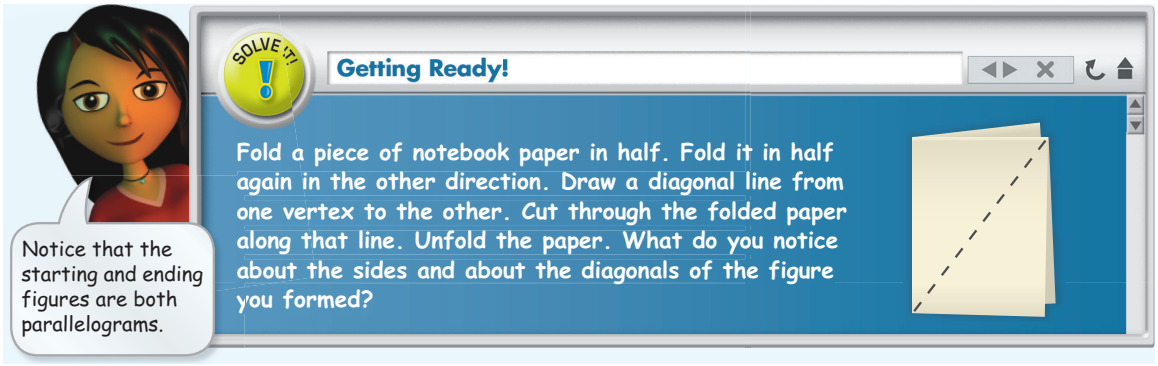
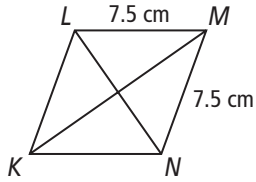
6-4 Solve It!



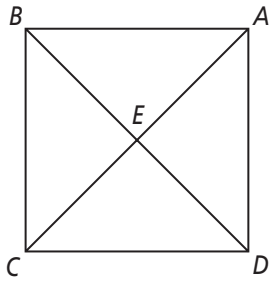
6-4 Lesson Quiz

1. Is parallelogram $KLMN$ a rhombus, a rectangle, or a square? Explain.



2. In the parallelogram above, if $m\angle KLN = 63$, what is $m\angle MNL$?

3. In square $ABCD$, $AE = 3x + 5$ and $BD = 10x + 2$. What is the length of $\overline{AC}$?



4. Do you UNDERSTAND? You are asked to draw an equiangular rhombus, an equilateral rectangle, and a parallelogram with four right angles. Will all three figures be squares?

Answers

Solve It!

The quadrilateral has $\cong$ sides. Diagonals are $\perp$ bis. of each other, and each diagonal bisects two $\measuredangle$s.

Lesson Quiz

1. rhombus; The opposite sides of a parallelogram are congruent, so the figure has 4 congruent sides.

2. 63

3. 22

4. A parallelogram with four right angles is a rectangle but not necessarily a square.

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