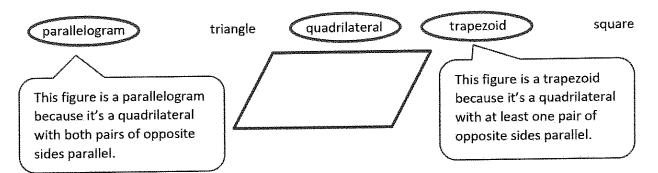
G5-M5-Lesson 17

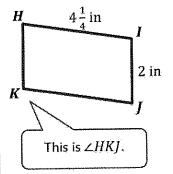
1. Circle all of the words that could be used to name the figure below.



- 2. HIJK is a parallelogram not drawn to scale.
 - a. Using what you know about parallelograms, give the lengths of \overline{KJ} and \overline{HK} .

$$KJ = \frac{4\frac{1}{4}\ln}{HK} = \frac{2\ln}{L}$$

I know that opposite sides of a parallelogram are equal in length, HI=KJ.



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b. $\angle HKJ = 99^{\circ}$. Use what you know about angles in a parallelogram to find the measure of the other angles,

I know that opposite angles of a parallelograms are equal in measure.

$$\angle IHK = 81$$
 ° $\angle JIH = 99$ ° $\angle KJI = 81$ °

I know that angles that are next to one another, or adjacent, add up to 180° .

$$180^{\circ} - 99^{\circ} = 81^{\circ}$$

3. PQRS is a parallelogram not drawn to scale. PR = 10 mm and MS = 4.5 mm. Give the lengths of the following segments:

$$PM = 5 \text{ mm}$$

$$QS = 9 \,\mathrm{mm}$$

4 mm 8 mm

I know that the diagonals of a parallelogram bisect, or cut one another in two equal parts. So the length of \overline{PM} is equal to half the length of \overline{PR} .