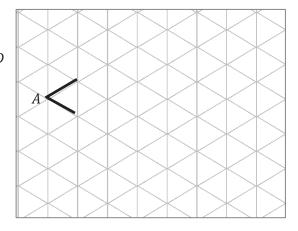
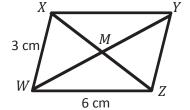
Name _____

Date _____

- 1. $\angle A$ measures 60°.
 - a. Extend the rays of $\angle A$, and draw parallelogram ABCDon the grid paper.
 - b. What are the measures of $\angle B$, $\angle C$, and $\angle D$?



- 2. WXYZ is a parallelogram not drawn to scale.
 - a. Using what you know about parallelograms, give the measure of sides XY and YZ.
 - b. $\angle WXY = 113^{\circ}$. Use what you know about angles in a parallelogram to find the measure of the other angles.



$$\angle YZW =$$
 \circ $\angle ZWX =$

$$\angle ZWX =$$

3. Jack measured some segments in Problem 2. He found that \overline{WY} = 8 cm and \overline{MZ} = 3 cm.

Give the lengths of the following segments:

$$WM =$$
_____ cm $MY =$ _____ cm

$$MY = cr$$

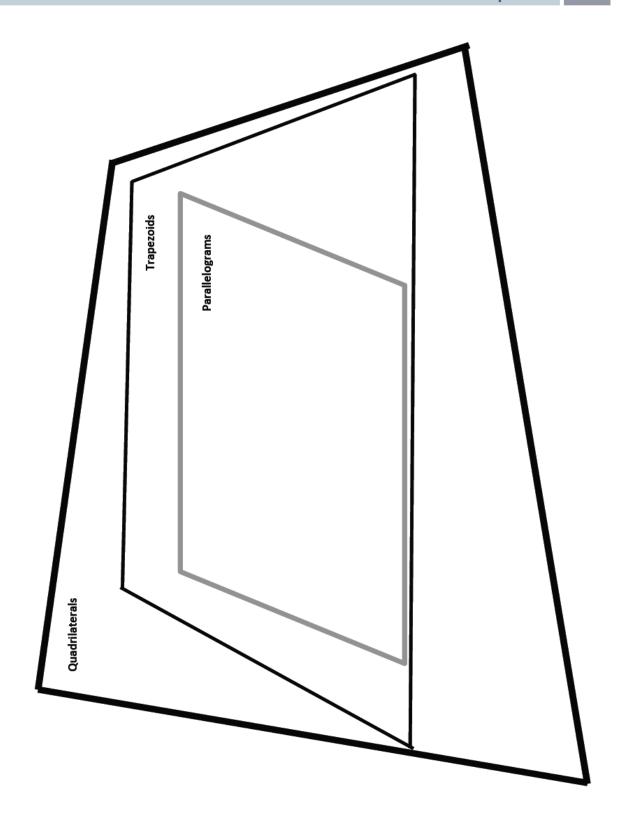
$$XM =$$
_____cm $XZ =$ ____cm

$$XZ = cm$$

4	Using the	properties of shap	es explain why	, all narallelos	grams are trapezoids
→.	Using the	properties or strap	cs, capiani win		grains are trapezolus

5. Teresa says that because the diagonals of a parallelogram bisect each other, if one diagonal is 4.2 cm, the other diagonal must be half that length. Use words and pictures to explain Teresa's error.





quadrilateral hierarchy with parallelogram

