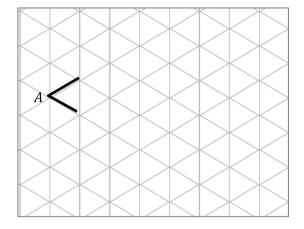
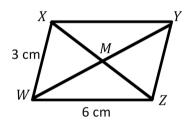
- 1. $\angle A$ measures 60°.
 - a. Extend the rays of $\angle A$, and draw parallelogram ABCD on the grid paper.
 - b. What are the measures of $\angle B$, $\angle C$, and $\angle D$?



- 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.

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

$$MY = cm$$

$$XM = \underline{\hspace{1cm}} cm \hspace{1cm} XZ = \underline{\hspace{1cm}} cm$$

$$XZ =$$
_____ cm

5. Teresa says that because the diagonals of a parallelogram bisect each other, if one diagonal is 4.2 other diagonal must be half that length. Use words and pictures to explain Teresa's error.	2 cm, the

Answer Key

- a. Parallelograms will vary. 1.
 - b. 120°; 60°; 120°
- 2. a. 6 cm; 3 cm
 - b. 67°; 113°; 67°
- 4; 4; 3; 6 3.
- Answers will vary. 4.
- Answers will vary. 5.