$\qquad$ Class $\qquad$ Date $\qquad$

## 6-1 <br> Standardized Test Prep <br> The Polygon Angle-Sum Theorems

## Gridded Response

Solve each exercise and enter your answer on the grid provided.

1. What is the sum of the interior angle measures of a regular octagon?
2. What is the measure of one interior angle of a regular 12-gon?
3. What is the value of $x$ in the regular polygon at the right?

4. What is the measure of an exterior angle of a regular octagon?
5. If the measure of an exterior angle of a regular polygon is 24 , how many sides does the polygon have?

Answers

2.

3.


5.


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