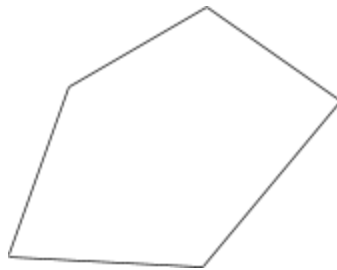
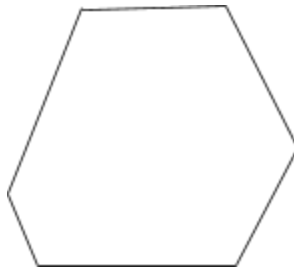


1. Can I find the measure of one interior angle of this irregular pentagon using this diagram? Explain



2. What is the measure of one interior angle of a regular dodecagon?
3. What is the measure of one exterior angle of a regular 23-gon?
4. Given this diagram, can I find the measure of one exterior angle for this irregular hexagon? Explain.



5. Is there a *regular* polygon with an interior angle sum of  $9000^\circ$ ? If so, what is it?
6. What is the exterior angle sum of a 500-gon?
7. What is the measure of one exterior angle of a regular 500-gon?

8. Find the value of  $x$ .

