| Name : |  | Date: |  |
| :---: | :---: | :---: | :---: |
| (i)(i)(i) SOL G.10: The student will solve real-world problems involving angles of polygons. |  |  |  |
| G. 10 Notes: $\square$ rry $\square$ <br>  - $\square$ <br> 4 $\square$ 안 $\square$ prariz |  |  |  |
| Exterior Angles of a Polygon: |  | Interior Angles of a Polygon: |  |
| Sum $=360^{\circ}$ 1 ext. <br> *Only for | $\frac{360^{\circ}}{\# \text { of angles }}$ ular polygons* | $\begin{gathered} \text { Sum }=180^{\circ}(\mathrm{n}-2) \\ \mathrm{n}=\# \text { of sides } \end{gathered}$ | 1 int. $\angle=\frac{\text { Interior Sum }}{\# \text { of angles }}$ <br> *Only for regular polygons* |
|  |  | les: <br> $90^{\circ}$ |  |
| Sum of ext, angles = $\qquad$ <br> 1 ext. angle = $\qquad$ <br> Sum of int. angles $=$ $\qquad$ <br> 1 int. angle $=$ $\qquad$ $=$ | Sum of ext, an 1 ext. angle = <br> Sum of int. an <br> 1 int. angle = |  | of ext, angles = $\qquad$ <br> . angle = $\qquad$ $=$ <br> of int. angles = $\qquad$ $=$ <br> angle $=$ $\qquad$ $=$ |
| Tessellations: <br> The sum around any single poin <br> Therefore, the sum of angles ar tessellation is $\qquad$ | any point in |  |  |

What is the measure of
an interior angle of a

decagon? | The sum of interior |
| :---: |
| angles of a polygon is |
| 1440 |
| does the shape have? |

