5. Use the figure to find all of the numbered angles. Explain your reasoning.

|  |  |
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|  | $∠1=\\_\\_\\_\\_\\_\\_ because$\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$∠2=\\_\\_\\_\\_\\_\\_ because $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$∠3=\\_\\_\\_\\_\\_\\_ because $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$∠4= \\_\\_\\_\\_\\_\\_ because $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$∠5=\\_\\_\\_\\_\\_\\_ because $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$∠6= \\_\\_\\_\\_\\_\\_ because $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_$∠7=\\_\\_\\_\\_\\_\\_ because $\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| 6. Find the measure of the exterior angle.X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Exterior angle = \_\_\_\_\_\_\_\_\_\_\_\_ |

|  |
| --- |
| 7. Find x and the measures of the exterior angles.X = \_\_\_\_\_\_\_\_\_\_\_ exterior angles: \_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_  |

|  |
| --- |
| 8. Can a hexagon have angles that measure $69°, 85°, 62°, 95°, 173°, 160°?$ Explain |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #:\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_

**3.4C Review**

1. Tell whether the triangles are similar or not similar.

$$34°$$

$$57°$$

$$91°$$

1. Tell whether the triangles are similar or not similar.

$$106°$$

$$45°$$

1. Tell whether the triangles are similar or not similar.

$$29°$$

$$47°$$

$$97°$$

1. Tell whether the triangles are similar or not similar.

$$39°$$

$$90°$$