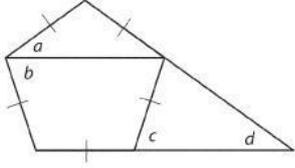
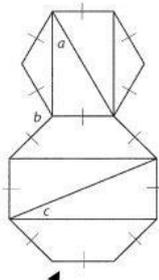
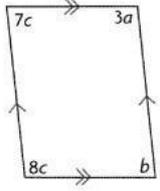


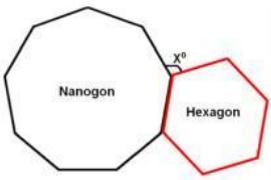
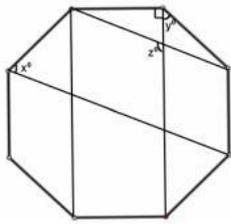
<p>1. Determine the sum of the measures of the interior angles of this polygon.</p>  <p>a. 1080° b. 1440° c. 720° d. 540°</p>	<p>4. Determine the sum of the measures of the angles in a 9-sided convex polygon.</p> <p>a. 1720° b. 1440° c. 1080° d. 1260°</p>
<p>2. Each interior angle of a regular convex polygon measures 144°. How many sides does the polygon have?</p> <p>a. 10 b. 11 c. 8 d. 9</p>	<p>5. Determine the value of b.</p> <p>a. 95° b. 100° c. 120° d. 105°</p>
<p>3. Determine the value of a and d.</p>  <p>a. 54°, 36° b. 30°, 36° c. 36°, 36° d. 32°, 36° e. 34°, 36°</p>	<p>6. Determine the value of a.</p> <p>a. 60° b. 34° c. 30° d. 28°</p> <p>7. Determine the value of c.</p> <p>a. 22.5° b. 30° c. 67.5° d. 26.5°</p>



Use for Question 5, 6, and 7

Short Answer (18pts)

<p>6. Determine the sum of the measures of the angles in an 18-sided convex polygon. Show your calculation.</p> <p>Sum of Interior angles = _____</p>	<p>7. Each interior angle of a regular convex polygon measures 156°. How many sides does the polygon have? Show your calculations.</p> <p># of Sides = _____</p>
<p>8. Abbie is measuring the exterior angles of a convex pentagon. So far, she has measured 90°, 90°, 120°, and 40°. What is the measure of the last exterior angle? Show your calculation.</p> <p>Angle = _____</p>	<p>9. Determine the values of a, b, and c.</p>  <p>a = _____ b = _____ c = _____</p>

<p>10. In the diagram below, two regular polygons are shown. Calculate x.</p>  <p>$x^\circ =$ _____</p>	<p>11. Given the Octagon below, Calculate x, y and z.</p>  <p>$x =$ _____ $y =$ _____ $z =$ _____</p>
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