**Homework Practice**

***Polygons and Angles***

**S = 180(n - 2)**

**Let s = the sum of interior angles of a polygon**

**Let n = number of sides of polygon**

**Find the sum of the interior angle measures of each polygon. Show all work using algebra.**

**1.**  pentagon **2.**  decagon **3.**  16-gon

**4.**  18-gon **5.**  30-gon **6.**  34-gon

**Find the measure of one interior angle in each regular polygon. Round to the nearest tenth if necessary.**

**7.**  pentagon **8.**  octagon **9.**  24-gon

**ALGEBRA For Exercises 10 and 11, determine the angle measures in each polygon.**

**10.** **11.**