

Geometry Chapter 11 Practice Test

Work in pencil only. Show all work. Use separate paper if necessary.

[1] 1800° _____

[2] 1080° _____

[3] 120 _____

[4] 20 _____

[5] $9\sqrt{3}$ sq. units _____

[6] 55.6 cm^2 _____

[7] 152.2 cm^2 _____

[8] $A = 405, P = 36$ _____

[9] $12 : 7$ _____

[10] 50.24 cm _____

[11] 28.26 cm^2 _____

[12] $\frac{5}{3}\pi$ feet _____

[13] $300\pi - 225\sqrt{3}$ _____

[14] $84 \text{ cm}; 42 \text{ cm}; 7\pi \text{ cm}$ _____

[15] The sector is 37.3 cm^2 larger. _____

[16] 51.1192 m^2 _____

$$\cos \angle AOC = \frac{2}{7}$$

$$m\angle AOC \approx 73.398^\circ$$

$$m\angle AOB = 2m\angle AOC \approx 146.797^\circ$$

$$m\angle AOB = m\widehat{AB}$$

$$\text{Arc length of } \widehat{AB} = (2\pi \cdot 7)$$

[17] $\left(\frac{146.797^\circ}{360^\circ}\right) \approx 17.93$ _____

[18] ≈ 322 sq. units _____

[19] 36 sq. units _____

[20] 1.68 inches _____