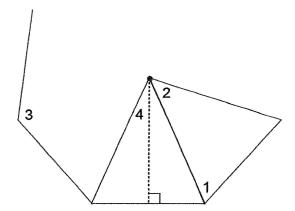
Bellwork Geo Wednesday, April 1, 2020

1. Find the sum of the interior angles of a 27-gon.

2. Find the measure of one interior angle of a regular 20-gon.

3. The figure shown is part of a regular 30-gon. Find the measure of each numbered angle. Figure is not drawn to scale.



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Answers

1. Find the sum of the interior angles of a 27-gon.

$$n = 27$$
 Sum = $(27-2)180$ Sum = 4500°

2. Find the measure of one interior angle of a regular 20-gon.

$$N = 20 \qquad \text{Sum} = (20-2)/80 = 3240^{\circ}$$

$$1_{\text{int}} L = \frac{3240^{\circ}}{20} = 1/62^{\circ}$$

3. The figure shown is part of a regular 30-gon. Find the measure of each numbered angle. Figure is not drawn to scale.

