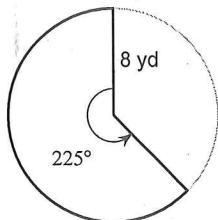


Area Quiz #2 Review

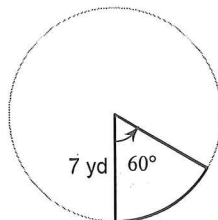
Find the area of each sector.

1)



- A) $23040\pi \text{ yd}^2$
- B) $16\pi \text{ yd}^2$
- C) $\frac{40\pi}{3} \text{ yd}^2$
- D) $40\pi \text{ yd}^2$

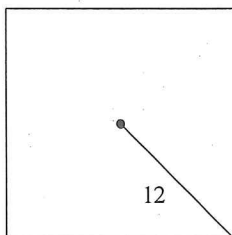
2)



- A) $108\pi \text{ yd}^2$
- B) $\frac{175\pi}{24} \text{ yd}^2$
- C) $\frac{39\pi}{8} \text{ yd}^2$
- D) $\frac{49\pi}{6} \text{ yd}^2$

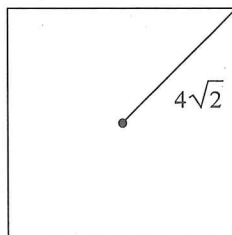
Find the area of each regular polygon. Leave your answer in simplest form.

3)



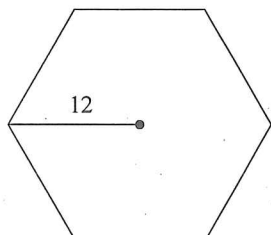
- A) 288
- B) 392
- C) 784
- D) 576

4)

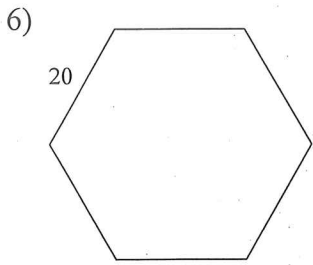


- A) 1350
- B) 450
- C) 64
- D) 1024

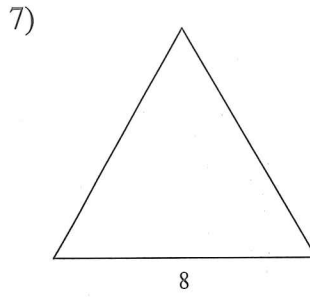
5)



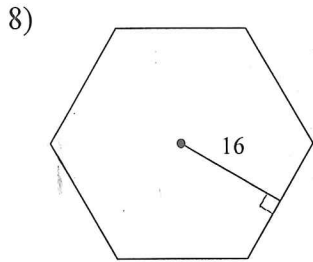
- A) $216\sqrt{3}$
- B) $200\sqrt{3}$
- C) $392\sqrt{3}$
- D) $150\sqrt{3}$



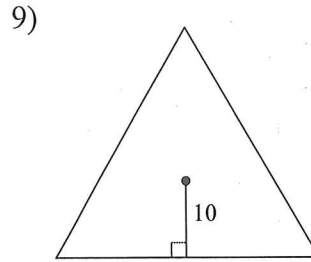
- A) $338\sqrt{3}$ B) $600\sqrt{3}$
 C) $\frac{363\sqrt{3}}{2}$ D) $96\sqrt{3}$



- A) $64\sqrt{3}$ B) $48\sqrt{3}$
 C) $16\sqrt{3}$ D) $144\sqrt{3}$

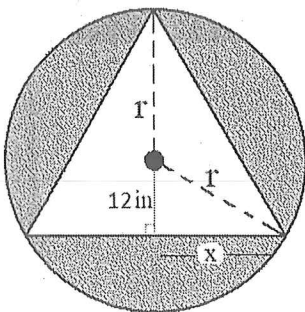


- A) $150\sqrt{3}$ B) $338\sqrt{3}$
 C) $512\sqrt{3}$ D) $216\sqrt{3}$



- A) $192\sqrt{3}$ B) $300\sqrt{3}$
 C) $108\sqrt{3}$ D) $36\sqrt{3}$

10) Assume that the triangle is regular polygon. Find x , the side length, and the radius of the circle, and the area of the shaded region.



$x =$ _____

Side length: _____

radius = _____

Area of shaded region = _____