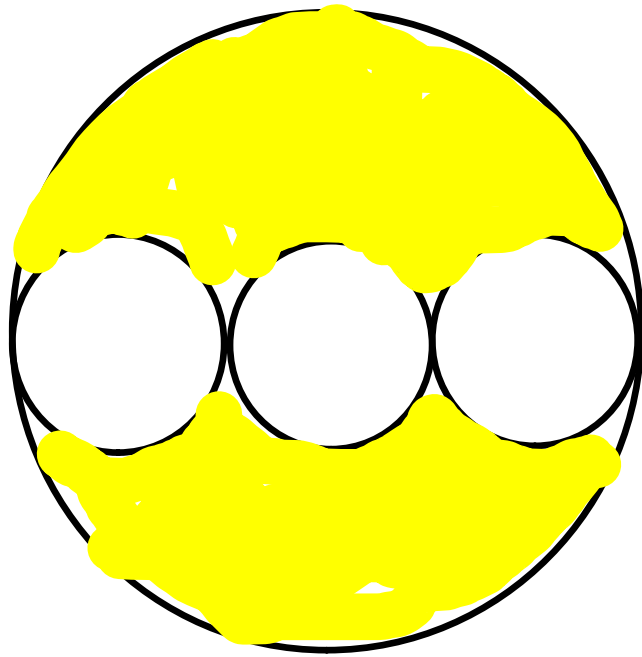
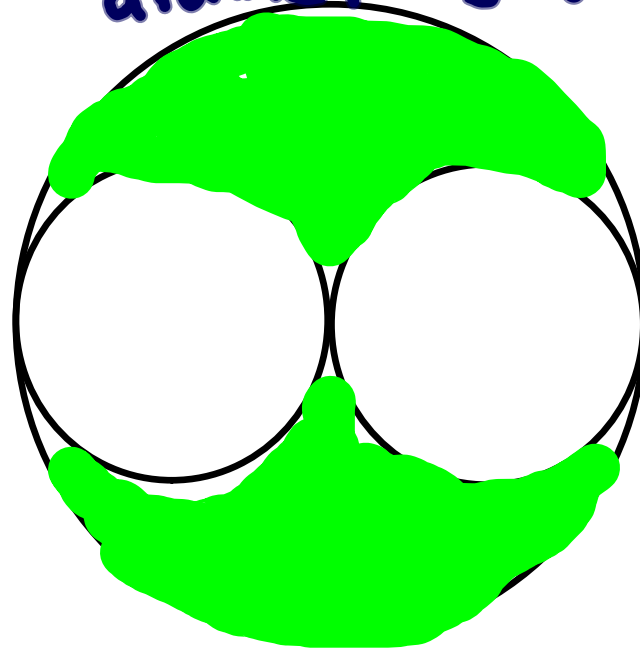


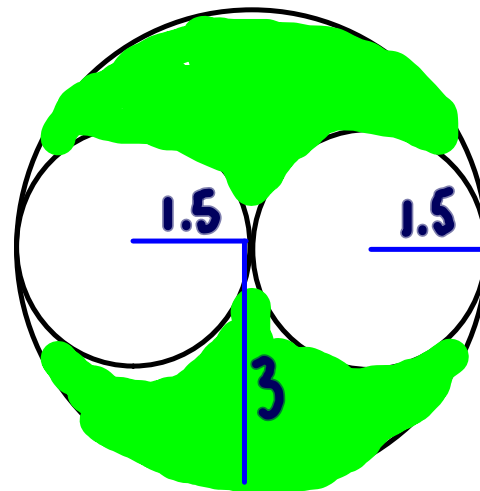
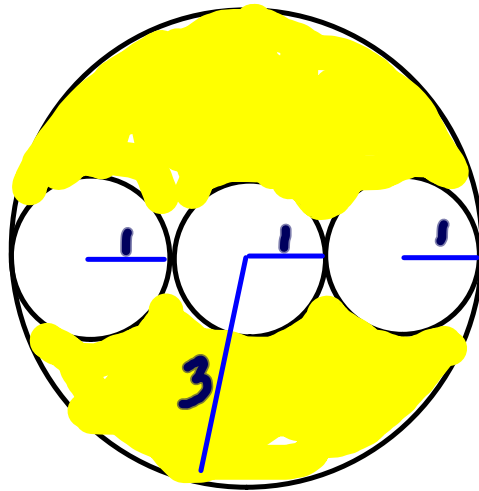
what is the area of the shaded region?



big circles have
diameters of 6



what is the area of the shaded region?



Area of big circle — area of unshaded circles

$$\pi R^2 - 3\pi r^2$$

$$9\pi - 3\pi = 6\pi \text{ u}^2$$

$$\sim 18.85 \text{ u}^2$$

$$\pi R^2 - 2\pi r^2$$

$$9\pi - 2\pi(1.5)^2$$

$$9\pi - 2\pi \cdot 2.25$$

$$9\pi - 4.5\pi = 4.5\pi = \frac{9\pi}{2} \text{ u}^2$$

$$\sim 14.14 \text{ u}^2$$