

$$\angle A = 22.08^\circ$$

$$\angle B = 63.22^\circ$$

$$\angle C = 94.7^\circ$$

$$a^2 = b^2 + c^2 - 2bc \cdot \cos A$$

$$8^2 = 19^2 + 14^2 - 2 \cdot 19 \cdot 14 \cdot \cos A$$

$$64 = 557 - 532 \cdot \cos A$$

$$-557 \quad -557$$

$$-493 = -532 \cdot \cos A$$

$$.9... = \cos A$$

$$\frac{\sin 22.08}{8} = \frac{\sin B}{19}$$

$$a = 21.26$$

$$\angle B = 39.75$$

$$\angle C = 25.25$$

$$\frac{\sin 115}{21.26} = \frac{\sin B}{15}$$

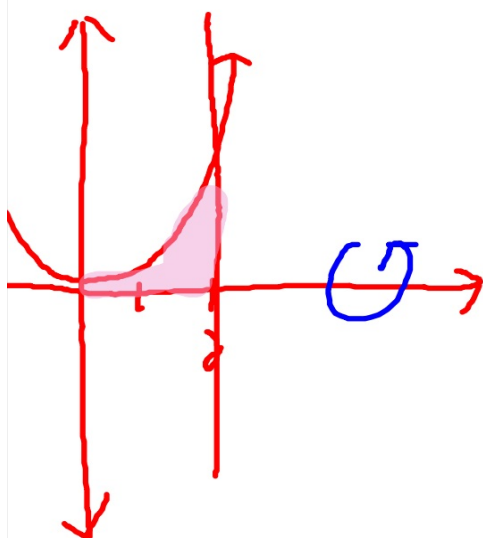
$$a^2 = b^2 + c^2 - 2bc \cdot \cos A$$

$$a^2 = 15^2 + 10^2 - 2 \cdot 15 \cdot 10 \cdot \cos(115)$$

$$a^2 = 325 - 300 \cdot \cos(115) \leftarrow$$

$$a^2 = \sqrt{451. \dots}$$

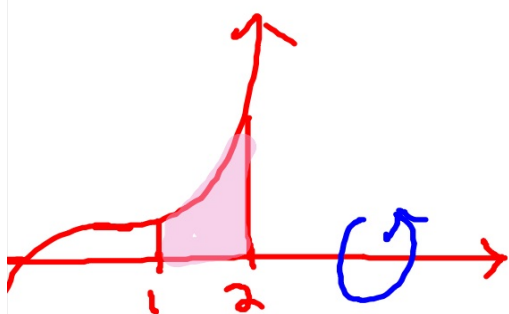
$$a =$$



Area: TB
Rotate: TB

$$\int_0^2 \pi \left((x^2)^2 - (0)^2 \right) dx$$

$$\boxed{20.106}$$



Area: TB
 Rotate: TB

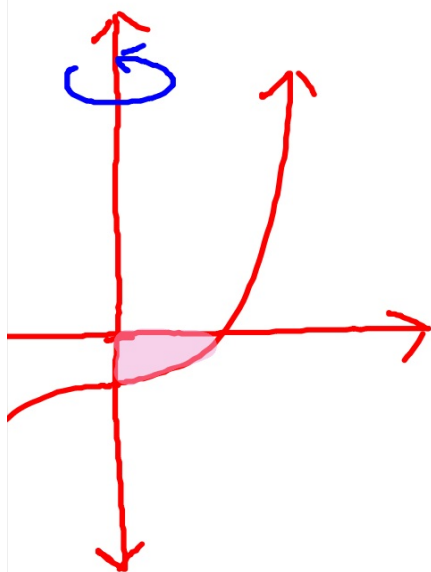
83.70

$$\int_1^2 \pi \left((1+x^3)^2 - (0)^2 \right) dx$$

$$\int_1^2 \pi (1 + 2x^3 + x^6) dx$$

$$\pi \left(x + \frac{1}{2}x^4 + \frac{1}{7}x^7 \right) \Big|_1^2$$

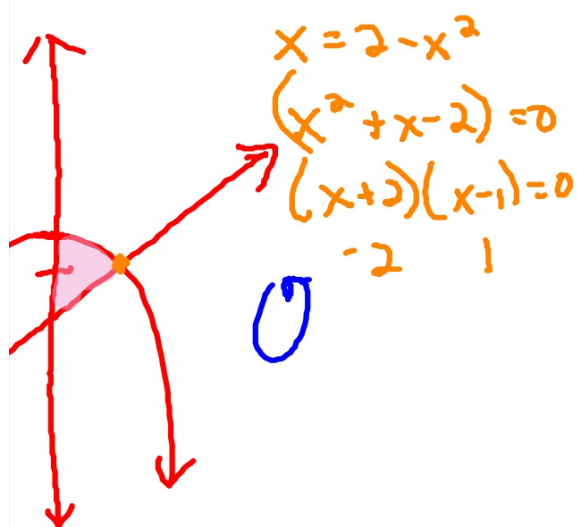
$$\pi(26.643)$$



Area: AL
Rotate: RL

$$\int_0^1 \pi \left((\sqrt{y})^2 - (0)^2 \right) dy$$

$$\boxed{1.885}$$



Area: TB

Rotate: TB

$$\pi \left(4x - \frac{5}{3}x^3 + \frac{1}{5}x^5 \right)$$

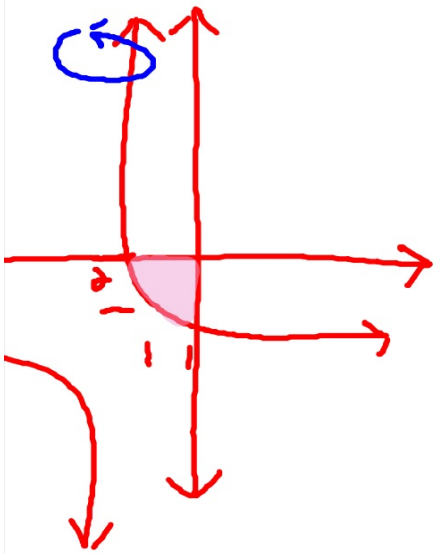
$$\pi(2)$$

$$\boxed{7.1}$$

$$\int_0^1 \pi \left((2-x^2)^2 - (x)^2 \right) dx$$

$$\int_0^1 \pi \left((4 - 4x^2 + x^4) - x^2 \right) dx$$

$$\int_0^1 \pi (4 - 5x^2 + x^4) dx$$



Area: RL
Rotate: RL

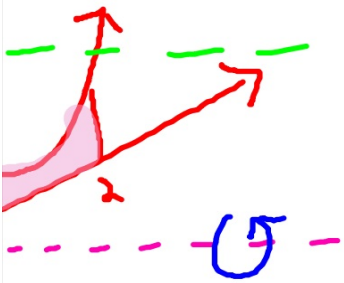
$$\int_{-2}^0 \pi \left(2^2 - \left(\frac{1}{y} \right)^2 \right) dy$$

$$\int_{-2}^0 \pi (4 - y^{-2}) dy$$

$$\pi (4y + y^{-1}) \Big|_{-2}^0$$

$$\pi \pi (4.5)$$

$$\boxed{14.137}$$



Area: TB
Rotator: TB

$$\int_{-2}^2 \pi \left(\left((x^2+6)-1 \right)^2 - \left((x+4)-1 \right)^2 \right)$$

392.071

$$(5-(x+4))^2 - (5-x^2)$$

