Sabiendo que la base de la varilla mide:

$$2,46 \cup 6GB _ 50\ cm\ reales$$
$$1 \cup 6GB _ x = 20,325$$

$$\text{area total obtenida} = 1,15^2$$

$$1,15 \cdot 20,325^2 = 475,07\ cm$$

$$\int_{-1,64}^{-0,72} (-5,71x^2 - 14,76x + 4,04) - \int_{-1,64}^{-0,72} (1,67x^2 + 2,65x + 12,7)$$

$$\int_{-1,64}^{-0,72} \left(-5,71\frac{x^3}{3} - 14,76\frac{x^2}{2} + 4,04x\right) - \int_{-1,64}^{-0,72} \left(1,67\frac{x^3}{3} + 2,65\frac{x^2}{2} + 12,7x\right)$$

$$\int_{-1,64}^{-0,72} -5,71 \cdot \left(\frac{-0,72}{3}\right)^3 - 14,76\left(\frac{0,72}{2}\right)^2 + 4,04 \cdot (-0,72) = -6,02418$$

$$\int_{-1,64}^{-0,72} -5,71 \cdot \left(\frac{-1,64}{3}\right)^3 - 14,76\left(\frac{-1,64}{2}\right)^2 + 4,04\,(-1,64) = 18,07935$$

$$\int_{-1,64}^{-0,72} 1,67 \cdot \left(\frac{-0,72}{3}\right)^3 + 2,65 \cdot \left(\frac{-0,72}{2}\right)^2 + 12,7 \cdot (-0,72) = -8,66489$$

$$\int_{-1,64}^{-0,72} 1,67 \cdot \left(\frac{-1,64}{3}\right)^3 + 2,65 \cdot \left(\frac{-1,64}{3}\right)^2 + 12,7\,(-1,64) = 19,71971$$

$$(-6,02418) - (18,07935) - (-8,66489) - (19,71971)$$

$$12,06517 - 11,05482 = 1,00035$$

$$1,00035 + 0,14 = 1,14035$$

↑ Polígono