

Sergio Jhonny Lopez Dilma

Rectangulo

$$1: I_x = (b \cdot h^3) / 12 = (8 \cdot 13^3) / 12 = 1464.666667$$

$$I_x = (b^3 \cdot h) / 12 = (8^3 \cdot 13) / 12 = 554.666667$$

$$2: I_x = (b \cdot h^3) / 12 = (14 \cdot 10^3) / 12 = 1166.666667$$

$$I_x = (b^3 \cdot h) / 12 = (14^3 \cdot 10) / 12 = 2286.666667$$

$$3: I_x = (b \cdot h^3) / 12 = (15 \cdot 12^3) / 12 = 2160$$

$$I_x = (b^3 \cdot h) / 12 = (15^3 \cdot 12) / 12 = 3375$$

$$4: I_x = (b \cdot h^3) / 12 = (12 \cdot 9^3) / 12 = 729$$

$$I_x = (b^3 \cdot h) / 12 = (12^3 \cdot 9) / 12 = 1296$$

$$5: I_x = (b \cdot h^3) / 12 = (14 \cdot 10^3) / 12 = 1166.666667$$

$$I_x = (b^3 \cdot h) / 12 = (14^3 \cdot 10) / 12 = 2286.666667$$

$$6: I_x = (b \cdot h^3) / 12 = (14 \cdot 12^3) / 12 = 2016$$

$$I_x = (b^3 \cdot h) / 12 = (14^3 \cdot 12) / 12 = 2744$$

$$7: I_x = (b \cdot h^3) / 12 = (11 \cdot 3^3) / 12 = 24.75$$

$$I_x = (b^3 \cdot h) / 12 = (11^3 \cdot 3) / 12 = 332.75$$

Semicirculos

$$1 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 3^4) / 8 = 31.80862562$$

$$2 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 8^4) / 8 = 1608.495439$$

$$3 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 7^4) / 8 = 942.8704952$$

$$4 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 17^4) / 8 = 32798.62$$

$$5 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 13^4) / 8 = 11215.87847$$

$$6 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 4^4) / 8 = 100.5369649$$

$$7 - ix = (\pi \cdot r^4) / 8 = (\pi \cdot 5^4) / 8 = 402.1238597$$

Sergio Johnny Lopez Delmo

3.

Scrib

Circulo

$$1 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 8^4) / 4 = 3216.990877$$

$$2 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 18^4) / 4 = 82447.9576$$

$$3 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 28^4) / 4 = 482749.6935$$

$$4 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 4^4) / 4 = 201.6619298$$

$$5 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 3^4) / 4 = 63.61725124$$

$$6 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 10^4) / 4 = 7853.981634$$

$$7 = 1 \times (\pi \cdot r^4) / 4 = (\pi \cdot 7^4) / 4 = 1885.74099$$

Cuadrado

$$1 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 5^4 = 34.375$$

$$2 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 15^4 = 2784.375$$

$$3 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 9^4 = 360.855$$

$$4 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 25^4 = 21484.375$$

$$5 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 7^4 = 132.055$$

$$6 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 9^4 = 360.855$$

$$7 = 1 \times = 0.055 \cdot r^4 = 0.055 \cdot 2^4 = 0.88$$

Triangulo

$$1: (b \cdot h^3) / 36 = (15 \cdot 10^3) / 36 = 416.6666667$$

$$(b \cdot h^3) / 48 = (15 \cdot 10^3) / 48 = 312.5$$

$$2: (b \cdot h^3) / 36 = (5 \cdot 3^3) / 36 = 3.75$$

$$(b \cdot h^3) / 48 = (5 \cdot 3^3) / 48 = 2.8125$$

$$3: (b \cdot h^3) / 36 = (15 \cdot 14^3) / 36 = 1143.333333$$

$$(b \cdot h^3) / 48 = (15 \cdot 14^3) / 48 = 852.5$$

$$4: (b \cdot h^3) / 36 = (12 \cdot 9^3) / 36 = 243$$

$$(b \cdot h^3) / 48 = (12 \cdot 9^3) / 48 = 182.25$$

$$5: (b \cdot h^3) / 36 = (13 \cdot 15^3) / 36 = 1218.75$$

$$(b \cdot h^3) / 48 = (13 \cdot 15^3) / 48 = 914.0625$$

$$6: (b \cdot h^3) / 36 = (3 \cdot 15^3) / 36 = 281.25$$

$$(b \cdot h^3) / 48 = (3 \cdot 15^3) / 48 = 210.9375$$

$$7: (b \cdot h^3) / 36 = (6 \cdot 9^3) / 36 = 121.5$$

$$(b \cdot h^3) / 48 = (6 \cdot 9^3) / 48 = 91.125$$