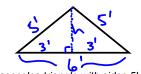


Ex 1) If each of these shapes has a perimeter of 16 ft, put them in order of area from least to greatest.







circle

square

Isosceles triangle with sides 5', 5' 6'

circle P=16ft=211-

$$V = \mu L_{s} = \mu \left(\frac{\mu}{8} t + \right)_{s} = \mu \left(\frac{\mu_{s}}{8A} \right) t t_{s} = \frac{\mu}{8A} t t_{s}$$

$$L = \frac{S\mu}{10} t + \frac{\mu}{8} t + \frac{\mu}$$

$$V_{z}^{z} = (4 t + t)_{z} = 10 t + t$$

$$V_{z}^{z} = (4 t + t)_{z} = 10 t + t$$

$$V_{z}^{z} = (4 t + t)_{z} = 10 t + t$$

triangle

Then to find h:
$$= \frac{1}{2}(6ft)(4ft)$$

$$= 12ft^{2}$$

$$= 12ft^{2}$$

$$= 12ft^{2}$$

$$= 12ft^{2}$$

$$= 12ft^{2}$$

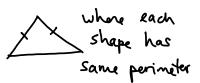
$$= 12ft^{2}$$

~ 50.4 ft2

h=16 => h=4ft

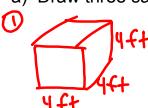
eatest $A_c > A_s > A_\tau$

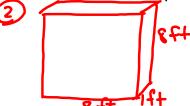


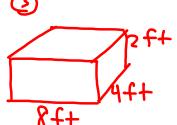


EX 2: You are to design a rectangular box with a volume of 64 ft³.

a) Draw three sample boxes that fit the requirements.







b) Determine the surface area of of each.

c) State the price of each if the materials cost \$3.00/ft².

$$= $288 = $2.00(160) = $3.00(160) = $336$$

$$= $336$$