Area and Perimeter	

Find perimeter and area of the following figures:

1. Three circles with radii of 3 feet, 4 feet, and 5 feet. Show your work (formula and calculations). Make sure to include units.

$$C = T \cdot d = T \cdot 2 \cdot r$$

$$= T \cdot 2 \cdot 3f + 18.85 f + 18.85 f + 18.2 \cdot r$$

$$C = T \cdot 2 \cdot r = T \cdot 2 \cdot 4f + 25.13 f + 18.2 \cdot r$$

$$C = T \cdot 2 \cdot r = T \cdot 2 \cdot 5f + 31.42 f + 18.2 \cdot r$$

$$C = T \cdot 2 \cdot r = T \cdot 2 \cdot 5f + 31.42 f + 18.2 \cdot r$$

$$C = T \cdot 2 \cdot r = T \cdot 2 \cdot 4f + 18.2 \cdot r$$

$$C = T \cdot 2 \cdot r = T \cdot 2 \cdot 4f + 18.85 f + 18.85$$

Find perimeter and area of the following figures:

2. Circles with diameters of 6 inches, and 12 inches. Show your work (formula and calculations). Make sure to include units.

$$C = Td = TG in = 18.85 \text{ in}$$

$$C = Td = TT 12 \text{ in} = 37.70 \text{ in}$$

$$d = 2r$$

$$A = TT r^2 = TT r \cdot r = TT \left(\frac{d}{2}\right)\left(\frac{d}{2}\right)$$

$$= TT \left(\frac{6in}{2}\right)\left(\frac{6in}{2}\right) = 28.27 \text{ in} \cdot \text{in}$$

$$A = TT r^2 = TT \left(\frac{2}{2}\right)^2 - T\left(\frac{12in}{2}\right)^2 = 1|3.0 \text{ in}^2$$

3. Use a scale or ruler to measure the sides (and height) of the figure, then find the perimeter and area. Draw on the figure to show what you use as your heights, bases, etc.

$$\frac{2i}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

$$= ||.178 \text{ in}|$$

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$$= 2in + \frac{3}{4}in + 2in + ||.178 \text{ in}|$$

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$$= 2in + \frac{3}{4}in + 2in + ||.178 \text{ in}|$$

$$= 5.928 \text{ in}$$

$$A_R = ||.178 \text{ in}|$$

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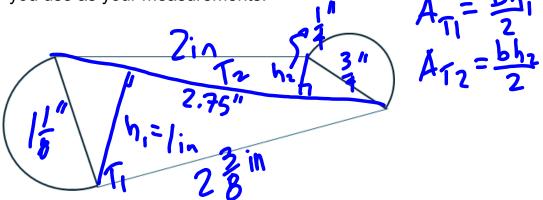
$$= -5.92$$

4. Use a scale or ruler to measure the sides (and height) of the figure, then find the perimeter and area. Draw on the figure to show what you use as your heights, bases, etc.

what you use as your heights, bases, etc.

$$2 \text{ in}$$
 $C = \pi \cdot 4 = \pi \cdot (0.35 \text{ in})$
 $= 2.356 \text{ in}$
 $A = A_c + A_R = [367 \text{ in}^3 + 1.5 \text{ in}^2]$
 $= 6.356 \text{ in}$
 $A = \pi \cdot 7 = \pi \cdot (0.35 \text{ in})$
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5. Use a scale or ruler to measure the necessary parts of the figure, then find the perimeter and area. Draw on the figure to show what you use as your measurements.



Use a scale or ruler to measure the sides (and height) of the figure, then find the perimeter and area. Draw on the figure to show what

you use as your heights, hases, etc.

find the perimeter and area. Draw on the figure to show what use as your heights, wases, etc.

$$P = \frac{C}{2} + \frac{1}{2} + \frac{1}{4} + \frac{1}{4}$$

$$= T(1.125'') = 3.53in$$

$$= 5.767in$$

Area and Perimeter
$$\Gamma = \frac{d}{2} = \frac{1.125''}{2} = .5625 i$$

Use a scale or ruler to measure the sides (and height) of the figure, then find the perimeter and area. Draw on the figure to show what

you use as your heights, phases, etc.

$$A = A_{1} + A_{7} + A_{6}$$

$$A_{7} = \frac{b_{1}}{2} = \frac{15'' \cdot 1'' - .75in'}{2}$$

$$A_{7} = \frac{b_{1}}{2} = \frac{15'' \cdot 0.835in'}{2}$$

$$= \pi (.5625in')^{2}$$

$$= \pi (.316in') = 0.994in' = 1.903in'^{2}$$

Use a scale or ruler to measure the necessary measurements of the figure (3/4 circle), then find the perimeter and area.

$$P = \frac{C \cdot .75}{12} + r + r$$

$$C = 112r = 112 \times .75 \cdot n = 4.712 \cdot n$$

$$P = (.75) \cdot 4.712 \cdot n + 0.75 \cdot n + 0.75 \cdot n$$

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Use a scale or ruler to measure the sides necessary measurements of the figure (quarter circle), then find the perimeter and area. Draw on the figure to show what you use as your heights, bases, etc.