M7R

March 27, 2012

Is there anything to correct?

3/27 - Area and Perimeter/Circumference

Find the area of each and perimeter of each, if possible.

Show all of your work using formulas, ~~substititon~~, solving and labeling.

substitution

Square

$A = s^2$

$P = 4s$

$A = s^2$

$A = 4^2$

$A = 16\ cm^2$

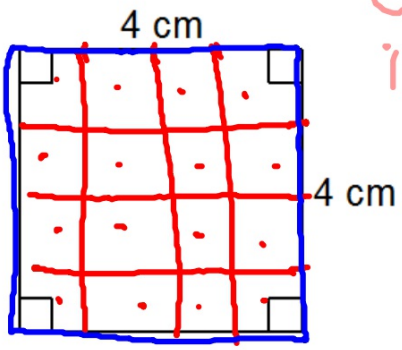
area label is always squared

$P = 4s$

$P = 4 \cdot 4$

$P = 16\ cm$

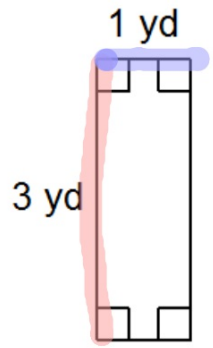
Perimeter label is always plain.



Rectangle

$A = LW$

$P = 2L + 2W$



$A = LW$

$A = 3 \cdot 1$

$A = 3\ yd^2$

$P = 2L + 2W$

$P = 2(3) + 2(1)$

$P = 6 + 2$

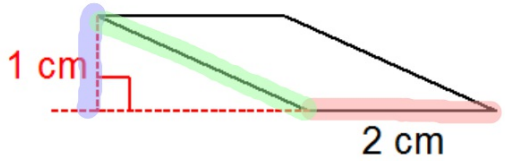
$P = 8\ yd$

Parallelogram

$A = BH$ ← base, height

$P = 2B + 2S$

slanted side



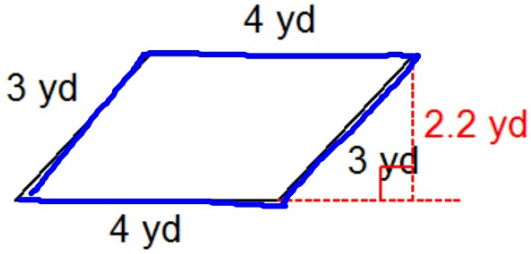
$A = BH$

$A = 2 \cdot 1$

$A = 2\ cm^2$

$P = 2B + 2S$

not enough info



$P = 2B + 2S$

$P = 2(4) + 2(3)$

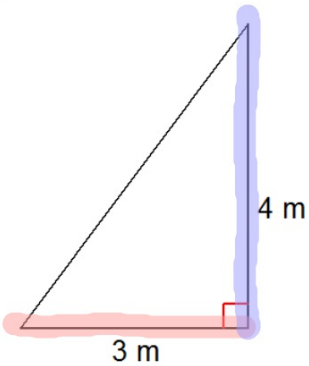
$P = 8 + 6$

$P = 14\ yd$

Triangle

$A = \frac{1}{2}bh$ base height

$P =$ add all sides



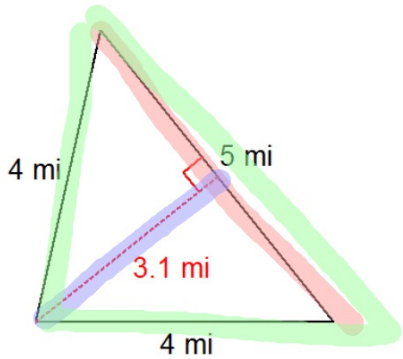
$A = \frac{1}{2}bh$

$A = \frac{1}{2} \cdot 3 \cdot 4$

$A = 6\ m^2$

$P = ?$

missing a side



$A = \frac{1}{2}bh$

$A = \frac{1}{2}(5)(3.1)$

$A = 7.75\ mi^2$

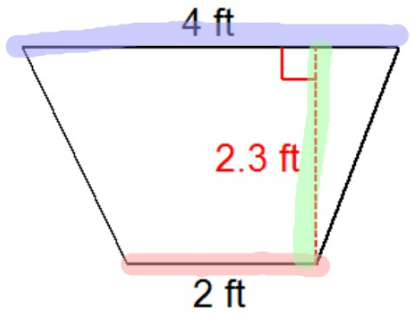
$P = 4 + 4 + 5$

$P = 13\ mi$

Trapezoid

$A = \frac{1}{2}(b_1 + b_2)h$

$P =$ add all sides



$A = \frac{1}{2}(b_1 + b_2)h$

$A = \frac{1}{2}(2 + 4)2.3$

$A = \frac{1}{2}(6)2.3$

$A = 6.9 \text{ ft}^2$

$P = ?$

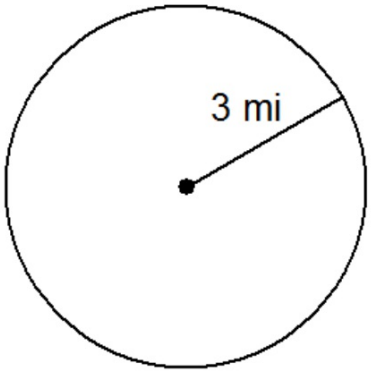
not enough info

Find the area and circumference of each. Round to the nearest tenth.

Circle

$A = \pi r^2$

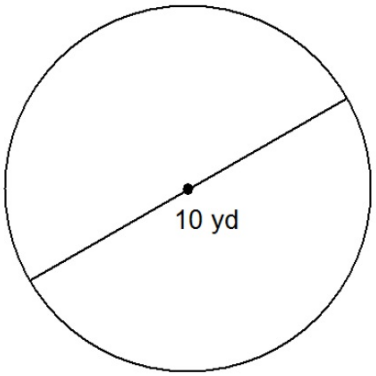
$C = 2\pi r$



Circle

$$A = \pi r^2$$

$$C = 2\pi r$$



Homework

Buff Geometry WS1

Due Wednesday