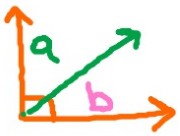
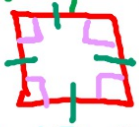
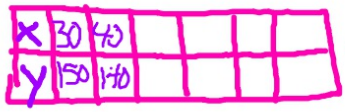
April 16, 2015 4th

Starter



1. Adjacent Angles
   2 angles that share one side and vertex
2. Ray: a line starting at a point that goes on forever
3. Square: a quadrilateral w/ 4 congruent sides and 4 right angles
4. Supplementary Angles
   2 angles that equal 180°
5. Coefficient.
   the # in front of the variable





In 6x

Gaze

4/15 - Area and Perimeter/Circumference

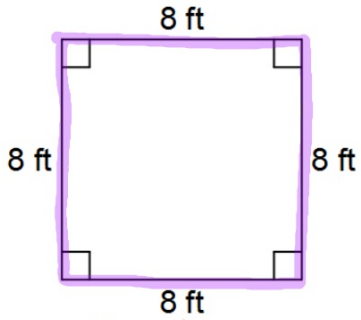
Find the area of each and perimeter of each, if possible.

Show all of your work using ① formulas,
② substititon, ③ olving and ④ abeling.

Square

$A = s^2$

$P = 4s$



$A = s^2$
$A = 8^2$
$A = 64 \text{ ft}^2$

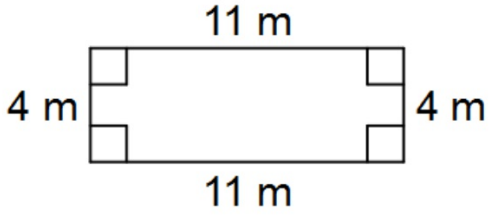
$P = 4s$
$P = 4 \cdot 8$
$P = 32 \text{ ft}$

Rectangle

$A = LW$

$P = 2(L+W)$

$P = 2L + 2W$



$A = LW$

$= 11 \cdot 4$

$= 44 \text{ m}^2$

$P = 2(L+W)$

$= 2(11+4)$

$= 2(15)$

$= 30 \text{ m}$

Parallelogram

$A = BH$

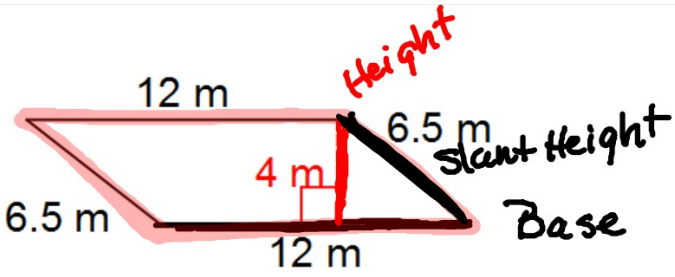
$P = 2B + 2S$ (S: slant height)

Base, Height

$A = BH$

$= 12 \cdot 4$

$= 48 \text{ m}^2$



$P = 2B + 2S$

$= 2(12) + 2(6.5)$

$= 24 + 13$

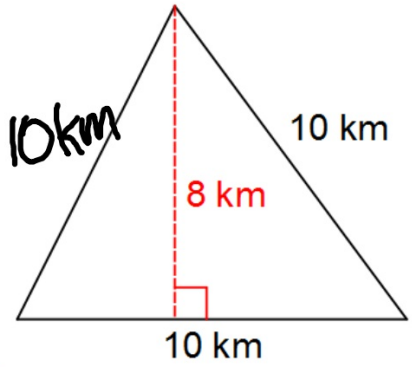
$= 37 \text{ m}$

Triangle

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

$P =$ add all sides

$a+b+c$



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

$= \frac{1}{2} \cdot 10 \cdot 8$

$= 40\ km^2$

$P = a+b+c$

$= 10+10+10$

$= 30\ km$

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

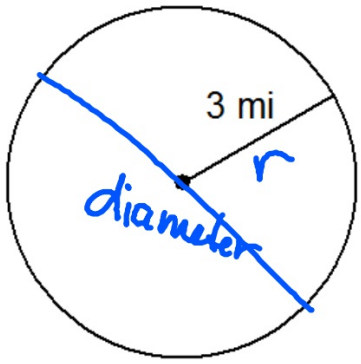
Circle

$A = \pi r^2$

$C = 2\pi r$

pi

$\pi = 3.14$



$A = \pi r^2$

$= (3.14)\, 3^2$

$= (3.14)\, 9$

$= 28.3 \text{ mi}^2$

3.14 × 9 = 28.26

$C = 2\pi r$

$= 2(3.14)3$

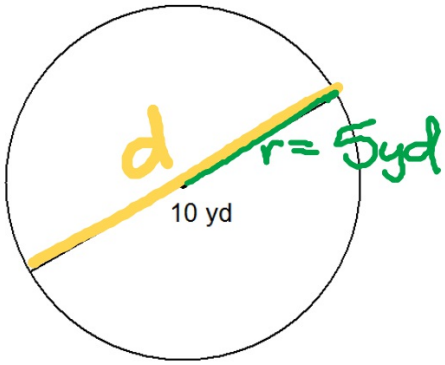
$= 18.8 \text{ mi}$

3.14
× 6
18.84

Circle

$A = \pi r^2$

$C = 2\pi r$



$A = \pi r^2$

$= (3.14)\,5^2$

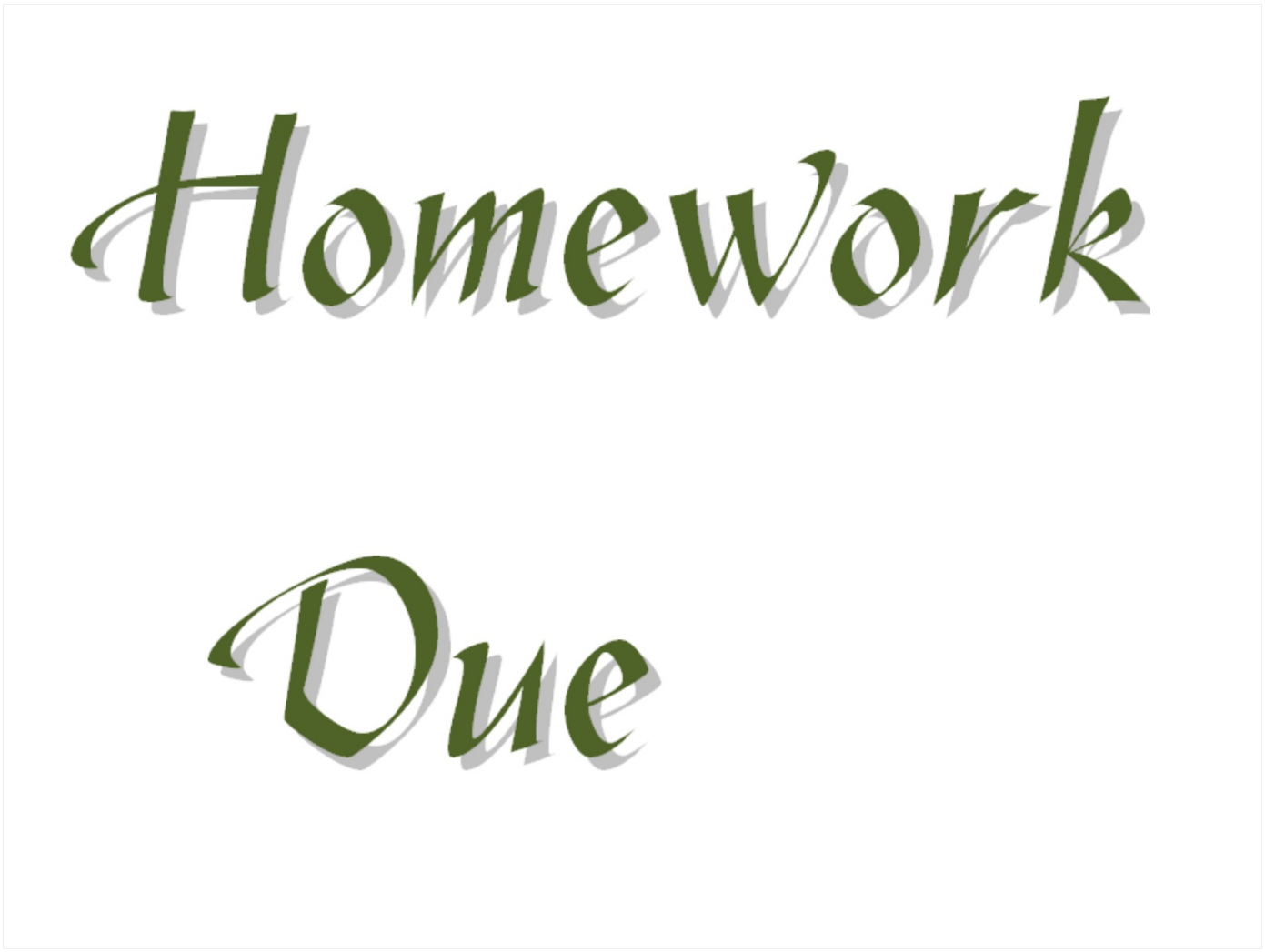
$= (3.14)\,25$

$= 78.5\ yd^2$

$C = 2\pi r$

$= 2(3.14)\,5$

$= 31.4\ yds$


Homework
Due