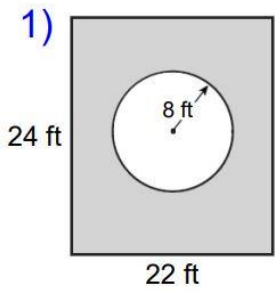
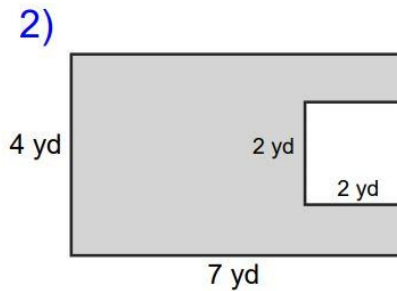


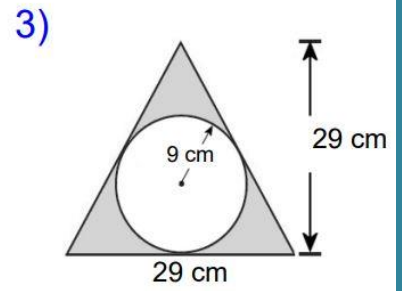
- 1) Find the areas of the following shapes.  
(keep answers in term of pi, or round to the nearest hundredth)



Area: \_\_\_\_\_



Area: \_\_\_\_\_



Area: \_\_\_\_\_

- 2) Turn the following improper fractions in mixed numbers (and vice-versa)

(ex:  $\frac{11}{4} = 2\frac{3}{4}$ )

a)  $\frac{15}{4} =$

d)  $2\frac{1}{4} =$

b)  $\frac{50}{7} =$

e)  $4\frac{3}{5} =$

c)  $\frac{121}{11} =$

f)  $9\frac{2}{4} =$

3) Compute the following expressions:

$$\text{a) } \frac{x}{4} + \frac{2x}{6} =$$

$$\text{d) } \frac{x}{4} \times \frac{2x}{5} =$$

$$\text{b) } \frac{x}{2} + 1\frac{3}{8} =$$

$$\text{e) } \frac{x}{21} \div \frac{2xy}{14} =$$

$$\text{c) } \frac{x}{5} + \frac{y}{6} =$$

$$\text{f) } \frac{x^2}{3y} \times \frac{7xy}{14} =$$

4) Solve the following word problems:

a) Caleb wants to rent a kayak. Kayak rentals cost \$14.50 for a half hour. If Caleb rents a kayak for one hour and forty-five minutes, how much will it cost him?

b) Summer day camp is about to begin. Today there are 132 boys signed up and 219 total children signed up. How many more boys than girls are signed up for camp?

c) Jasmine wants to organize her books in order of most number of pages to least number of pages. Jasmine's longest book has 396 pages and her shortest book has one-fourth as many pages as the longest. If the book in the middle of her shelf has three times the number of pages of the shortest book, then how many pages does the middle book have?

5) On a separate piece of paper draw at least two line-segments. Then find the midpoint of these two line-segments by constructing their perpendicular bisectors with a compass and straight-edge.  
(Feel free to creative with your drawings!!)