

HOMEWORK 16

February 21, 2021

I would like to remind you that the homework should be done on a separate piece of paper.

*There is not enough space on this handout to show all work. **You must show all steps!***

1. Convert each decimal to fraction. Show ALL steps!

a) $0.\bar{8} =$

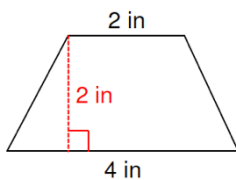
b) $0.4\bar{6} =$

c) $0.\bar{7}\bar{2} =$

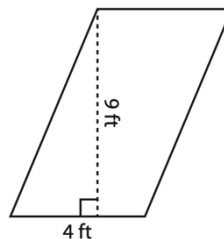
d) $0.9\bar{3} =$

2. Calculate the area of each geometric figure below:

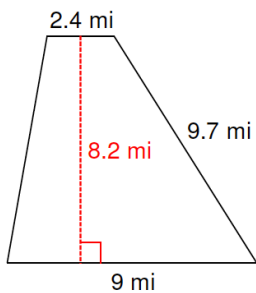
a)



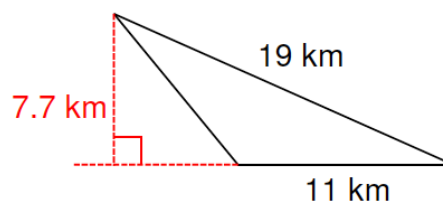
b)



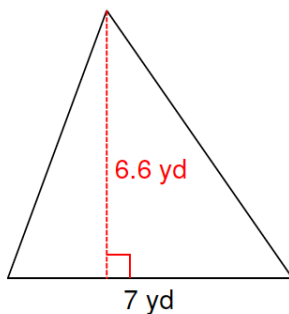
c)



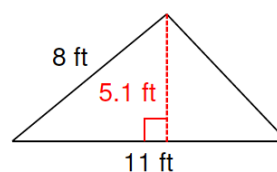
d)



e)

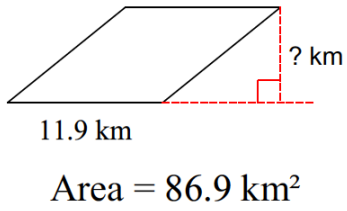


f)

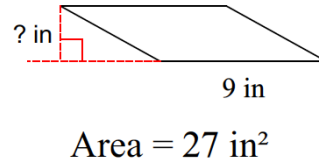


3. Find the missing side:

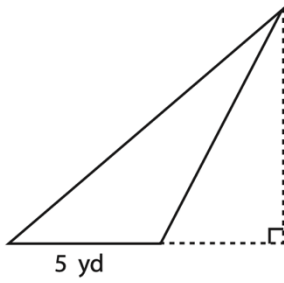
a)



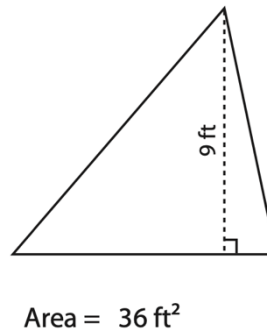
b)



c) Find the height.

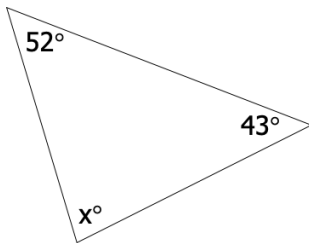


d) Find the base.

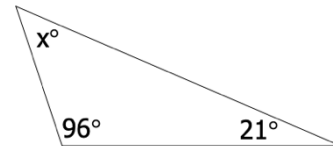


4. Apply angle properties to find each missing angle:

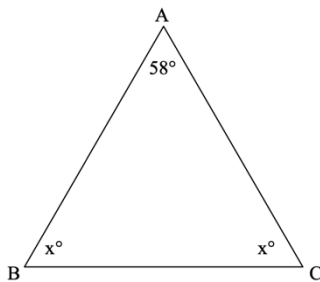
a)



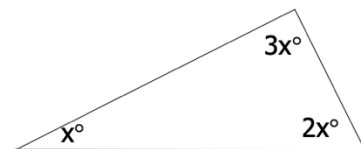
b)



c)



d)



5. What is the value of the expression below in simplest terms? **Do not use a calculator!!! Find a way to simplify.**

$$(8 \times 5) + (8 \times 4) + (8 \times 3) + (8 \times 2) + (8 \times 1) =$$

6. My book is open. I see two pages. The sum of the page numbers is 245. What is the next page number?
7. Natasha has half as much money as Neal. Neal has \$3 more than Andrew. Andrew has 5 times as much money as Ariana. Ariana has \$1. How much money do Natasha and Neal have together?