

Foundations Math Review

Round answers to the nearest tenth (1 decimal place)

1) Solve each proportion.

a) $\frac{2}{r} = \frac{12}{18}$

b) $\frac{50}{20} = \frac{5}{h}$

c) $\frac{45}{27} = \frac{x}{3}$

d) $\frac{v}{84} = \frac{2}{21}$

e) $\frac{b}{8} = \frac{8}{64}$

f) $\frac{13}{3} = \frac{26}{c}$

g) $\frac{27}{15} = \frac{72}{a}$

h) $\frac{m}{1.8} = \frac{12.8}{0.8}$

i) $\frac{1.2}{73.2} = \frac{r}{91.5}$

j) $\frac{18.4}{f} = \frac{22.8}{11.4}$

k) $\frac{28.8}{1.8} = \frac{6.4}{z}$

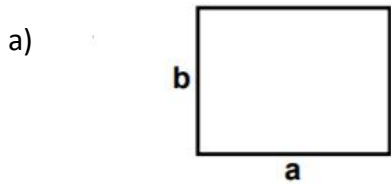
l) $\frac{32.3}{1.7} = \frac{7.6}{d}$

m) $\frac{s}{1.4} = \frac{33.6}{5.6}$

n) $\frac{43.7}{v} = \frac{71.3}{3.1}$

o) $\frac{50.4}{7.2} = \frac{w}{4.6}$

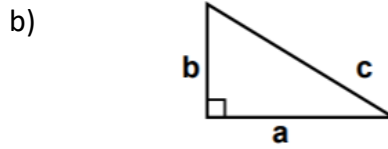
2) Use your formula sheet to solve each of the following. SHOW WORK!



$a = 7.6 \text{ ft}$ $b = 5.8 \text{ ft}$

Area: _____

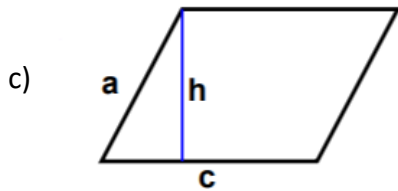
Perimeter: _____



$a = 7.4 \text{ yds}$ $b = 4.5 \text{ yds}$
 $c = 8.66 \text{ yds}$

Area: _____

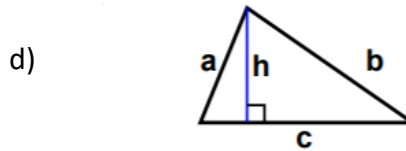
Perimeter: _____



$a = 6.19 \text{ yds}$
 $c = 8.2 \text{ yds}$ $h = 5.8 \text{ yds}$

Area: _____

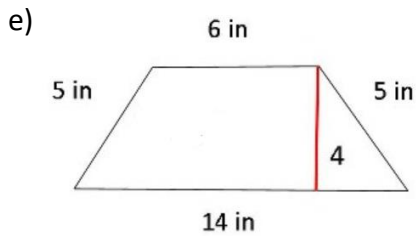
Perimeter: _____



$a = 4.97 \text{ inches}$ $b = 8.07 \text{ inches}$
 $c = 8.5 \text{ inches}$ $h = 4.6 \text{ inches}$

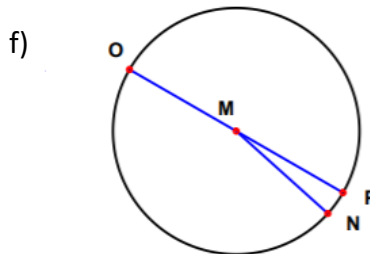
Area: _____

Perimeter: _____



Area: _____

Perimeter: _____



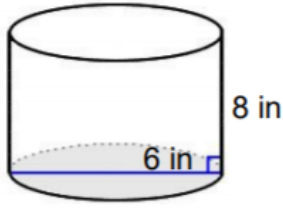
Radius: _____

Diameter: 18 cm

Circumference: _____

Area: _____

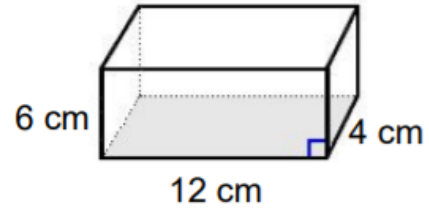
g)



Surface Area = _____

Volume = _____

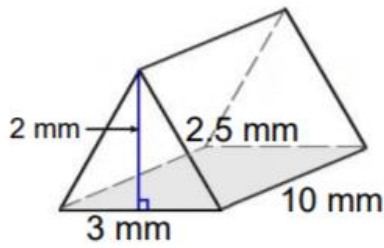
h)



Surface Area = _____

Volume = _____

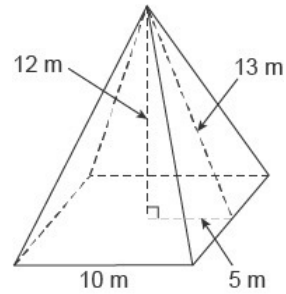
i)



Surface Area = _____

Volume = _____

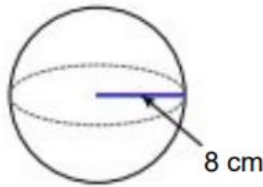
j)



Surface Area = _____

Volume = _____

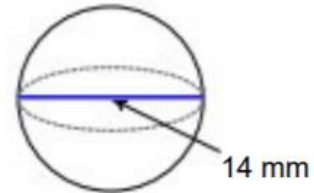
k)



Surface Area: _____

Volume: _____

l)



Surface Area: _____

Volume: _____