GRADE 10 ESSENTIAL
PRACTICE QUIZ
THIRD QUARTER COURSE

Name: _____

Date: _____

Instructions:
- Use your single sheet course reference notes that you are preparing.
- Use a calculator
- Show work for best mark.
- Conversion factors have been / will be provided.
- Geometric Formulae have been / will be provided.

1. Find the LCM (*aka* LCD) of:

a. 6 and 9

b. 9 and 14

2. Add or subtract the fractions or the times as indicated:

a. $1\frac{3}{4} + 2\frac{1}{2} =$

b. $7\frac{1}{4} - 2\frac{1}{2} =$

c. $\dfrac{7}{8} + \dfrac{2}{5} =$

d. $4\frac{2}{5} + 2\frac{1}{2} =$

e. **14:30 + 2:45 =**

f. **17:10 – 4:35 =**

3.	Convert the following:

a.	3 miles = _____ km
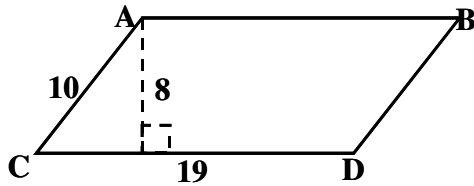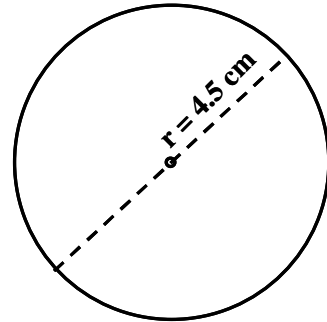
b.	57 kg = _____ lbs (and oz)

c.	560 ml = _____ litres

d.	214 ft = _____ yards (and ft)

4.	Find the **perimeter** (or circumference) *and* **area** of the following figures:
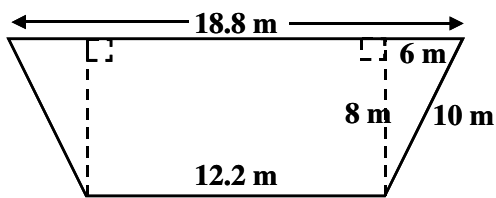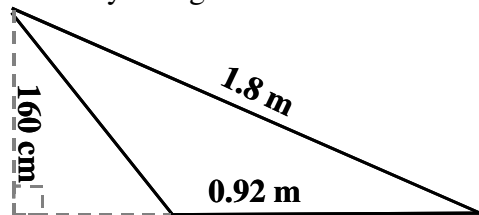
a.

b.

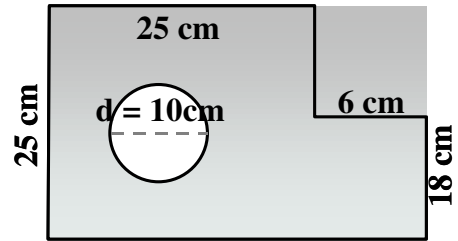c.	This symmetrical trapezoid:

d.	Tricky triangle!

5.   Find the shaded area of this rectilinear gasket:

25 cm

25 cm

d = 10cm

6 cm

18 cm

6.   Find the lengths:

a.   BC = _____

b.   BE = _____

c.   AC = _____

A

D

12.5

2.5

3.1

B   E   C
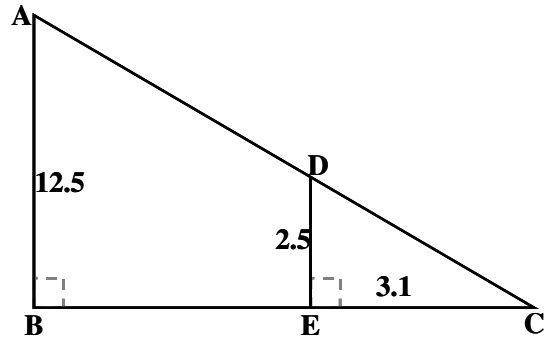
7.   What is the width of the alligator pond?

V

w

T

11 m

S   7 m   U   21 m   W
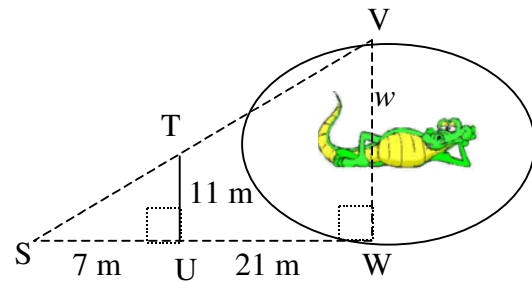
How wide, w, is the alligator pond?

MrF

8. Integers:

a. $2 + 6 =$	b. $-2 + 7 =$	c. $7 + (-2) =$
d. $-7 - 2 =$	e. $14 - (^-12) =$	f. $^-3 - (^-3) =$

9. Evaluate:

a. $\dfrac{2^3 - 7}{2^2 - 1}$ b. $\dfrac{7 - 4^2}{(4-1)^2}$

Bonus:

at what time to nearest second will my file be finished downloading: