**GRADE 10 ESSENTIAL
TRIG RATIOS REVIEW WORKSHEET**

Name: _____
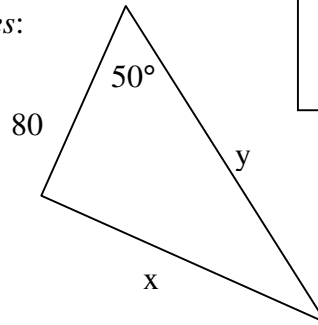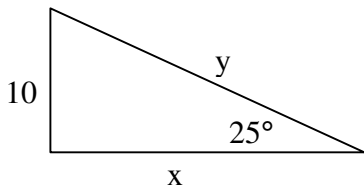
Date: _____

1.   Calculate the following trigonometry ratios:
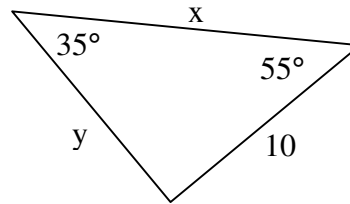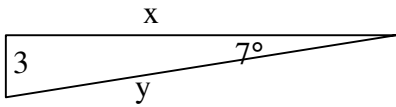
sin (40°)=   tan (48°) =   sin(53°)=

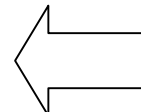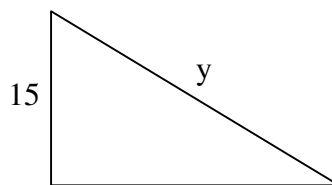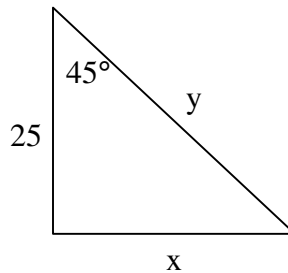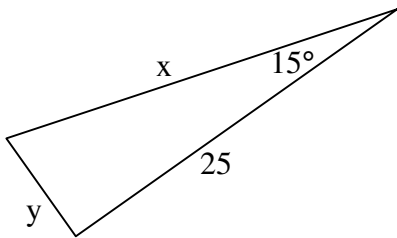tan(60°) =   cos(25°) =   sin(75°) =

*Find the missing side(s) of these **right** triangles*:

Hint: use more than one trigonometric ratio

Hint: It helps to label your triangles

Tough one: what are the angles in this triangle?

Remember: SOH CAH TOA

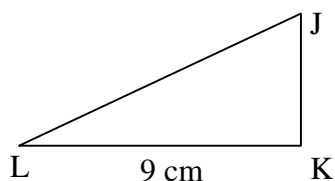2.   Use your calculator to *calculate each value to 3 decimal places*.

tan (30°) =   tan (45°) =

tan (63°) =   tan (86°) =

3   Choose *one* ratio above. *Sketch* a diagram to explain the meaning of the expression.

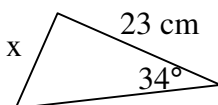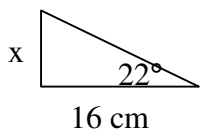4.   In the right angle △**JKL**, calculate the length of JK for each given angle below it:

J

L   9 cm   K

a.   ∠L = 24°   b.   ∠L= 75°

c.   ∠L= 50°   d.   ∠L= 90°

5.   Calculate each value of *x* for the right-angle triangles*:*

x
22°
16 cm

23 cm
x
34°

Remember:
Tan = O / A
      = opposite / adjacent

16 cm
40°
x

70°
x   60 m

x
15°
80 cm

30 cm
45°
x