Mixed Trigonometry　　　　　　　　　　　Name_____Per_____

CLEARLY SHOW ALL STEPS!!!　　　　Refer to **Soh Cah Toa** to determine which trig function to use.
1. *Set up equation*　　　　　　　　　　(see ch.4 toolkit for more details)
2. *Solve for variable*
3. *Round off using calculator*

Find the missing angle/length.

1)

5.8yd · 6.9yd · θ

5)

x · 1.9cm · 15°

9)

x · 60° · 3mm

2)

29° · 9.8mm · x

6)

x · 65° · 2"

10)

x · 41° · 5.5cm

3)

6.1m · θ · 1.4m

7)

1.1m · θ · 1.9m

11)

2.5' · θ · 6.3'

4)

θ · 9.9' · 3.1'

8)

5.8cm · x · 44°

12)

40° · 6.8" · x
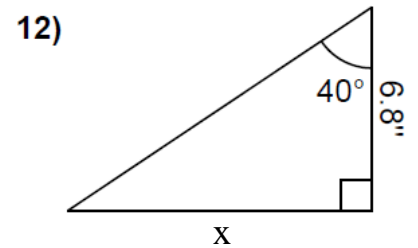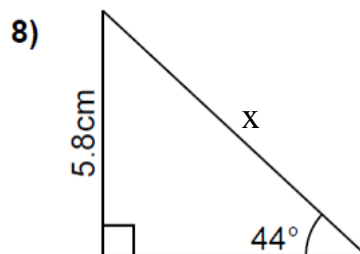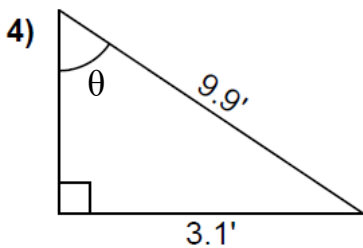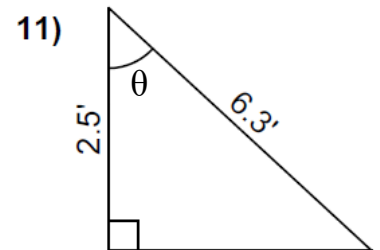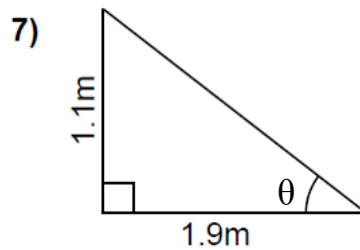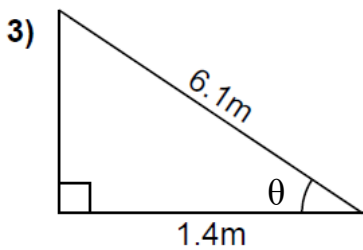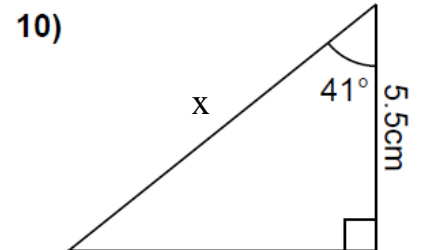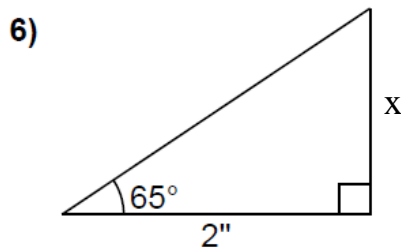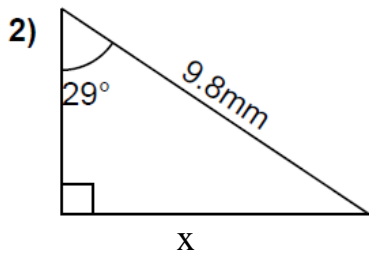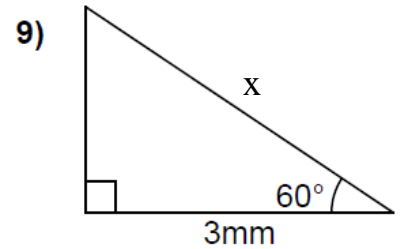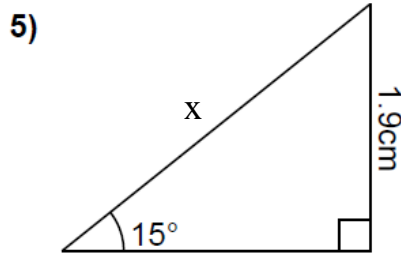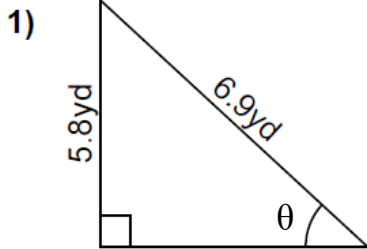
CHECK ANSWERS:

4.29　　4.75　　5.71　　6　　7.34　　7.29　　8.35　　18.25　　30.07　　57.20　　66.62　　76.73