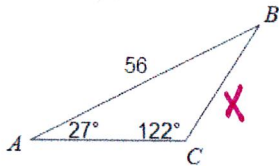


Name _____

Sem 2 TH #6

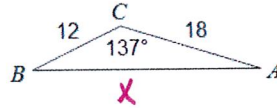
1. Use the law of sines to solve for x:

$$\frac{a}{\sin A} = \frac{b}{\sin B}$$



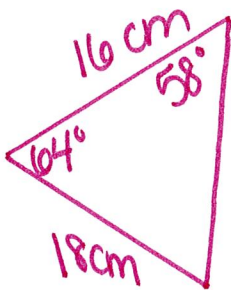
2. Use the law of cosines to solve for x:

$$x^2 = a^2 + b^2 - 2ab(\cos C)$$



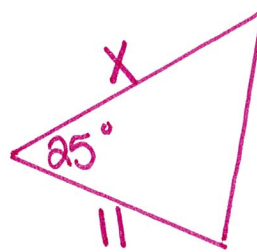
3. Find the area of the triangle

$$A = \frac{1}{2}(b)(c)(\sin A)$$

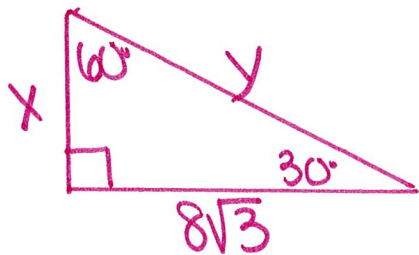


4. Work backwards to find the missing side length, given the area of the triangle is 31.38 in².

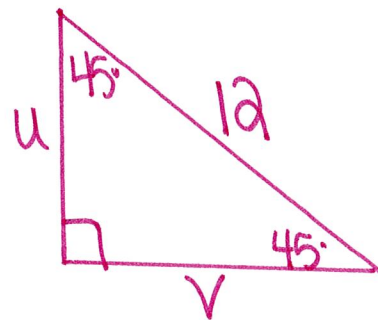
$$A = \frac{1}{2}(b)(c)(\sin A)$$



5. x = _____ y = _____

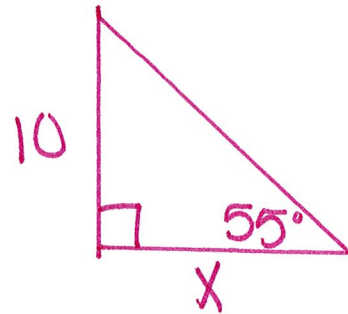


6. u = _____ v = _____

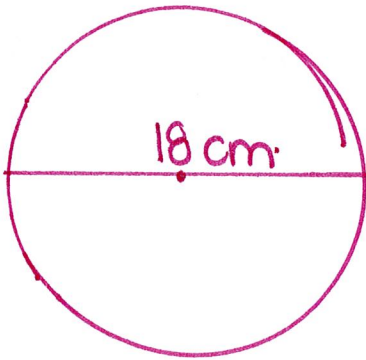


7. $\sin 54^\circ = \cos$ 36
 $\cos 25^\circ =$ 65

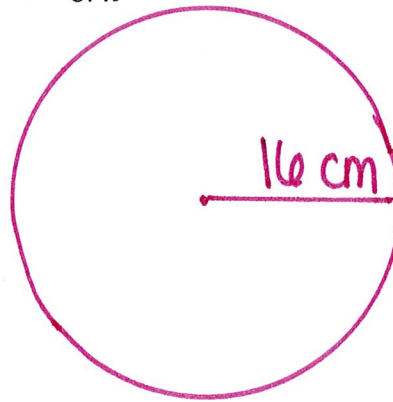
8. Solve for x using SohCahToa



9. Find the area of the circle in terms of π



10. Find the circumference of the circle in terms of π



11. If the area of a circle is 121π , find the diameter

12. If the circumference of a circle is 50π , find the radius.