1. Find the value of x.	2. Find the value of x.
	5 13 x 4 x
3. Find the value of x.	4. Find the value of x.
	$\begin{array}{c} x + 12 \\ S \\ 4x + 9 \\ T \end{array}$
5. Find the value of x.	6. Find the value of x.
$ \begin{array}{c} x \\ 6 \\ x+4 \\ 12 \end{array} $	
7. Find the value of x. 3 5 x 4	8. Find x. 15 x C
9. Determine if AB is tangent to the circle.	10. Find the missing length.







The volume of a soccer ball is 6 cubic feet. What	The volume of a soccer ball is 6 cubic feet. What
is the radius of the soccer ball?	is the radius of the soccer ball?
21. The density of nine is generally about	22 There are 25 000 bets reacting in a pyramid shaped
0.5 g/cm^3 . What is the mass of a 800 cm^3 piece of pine?	vaulted cave ceiling that has a height of 30 meters and a rectangular floor that measures 75 by 100 meters. What is the average density of the bat population in the cave?

16. Answer: By Cavalieri's principle, each cross-section between two stacks of cards or coins is the same, and the heights of each solid are the same, so the two volumes are equal.

11 ft 3 ft

22.7 14 23