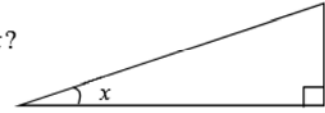


Geometry Final Review #3

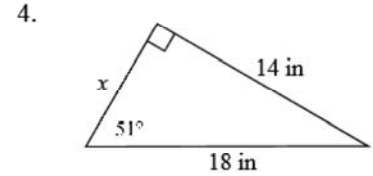
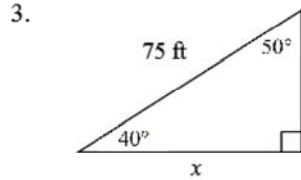
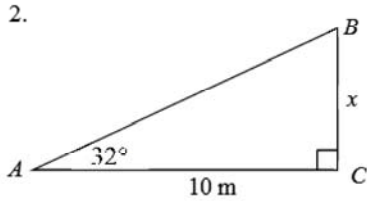
Name _____

Show ALL work!!!

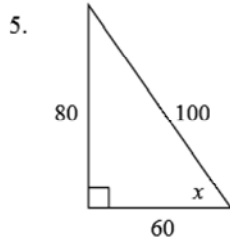
1. In the figure to the right, if $\sin x = \frac{5}{13}$, what are ratios of $\cos x$ and $\tan x$?



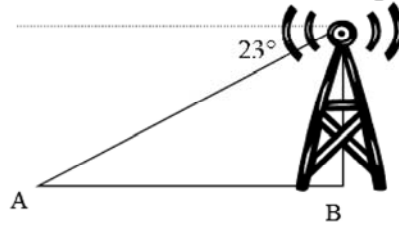
Solve for x to the nearest tenth.



Solve for x to the nearest degree



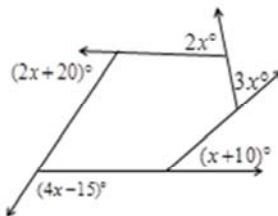
6. The angle of depression from the top of a tower to a point A is 23° . The distance from A to the base B of the tower is 80 m. Find the height of the tower to nearest meter.



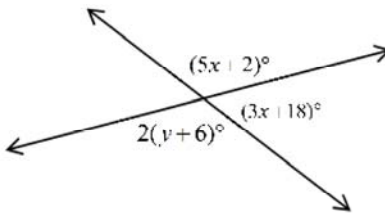
7. How many sides does a regular polygon have if one interior angle has a measure of 150° ?

8. What is the sum of the interior angles of a convex hexagon?

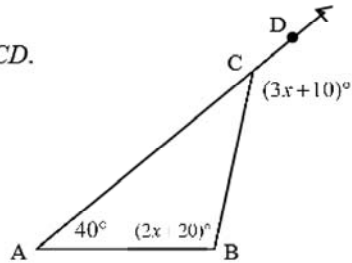
9. Find the value of x.



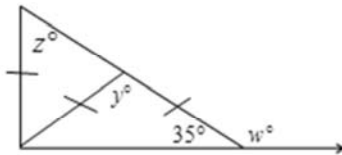
10. Solve for y in the diagram.



11. Find the measure of $\angle BCD$.



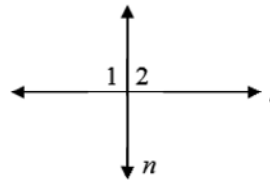
12. Solve for x , y , w , and z .



13.

Given: $m\angle 1 = m\angle 2$

Prove: $l \perp n$



Statements	Reasons
1. $m\angle 1 = m\angle 2$	1. Given
2.	2. Linear Pair Postulate
3. $m\angle 1 + m\angle 1 = 180^\circ$	3.
4. $2(m\angle 1) = 180^\circ$	4. Substitution Property of equality
5.	5. Division Property of equality
6. $\angle 1$ is a right angle	6.
7. $l \perp n$	7.