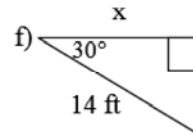
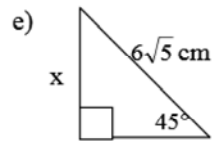
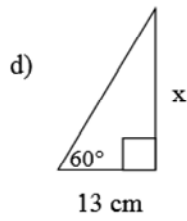
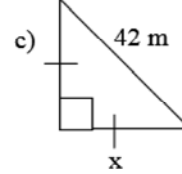
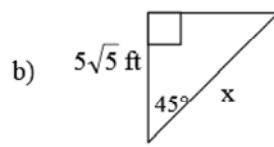
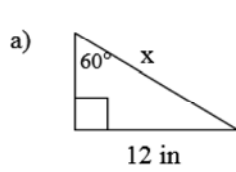
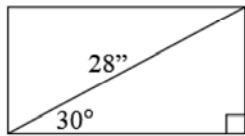


1. Solve for the indicated side. Leave answers in simplified radical form. (no calculator)



For 2- 5, leave all answers in simplified radical form.

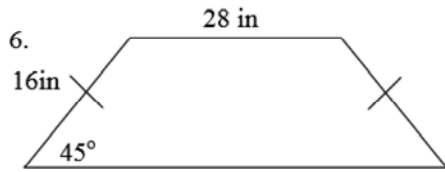
2. Find the area of the rectangle 3. Find the perimeter of #2.



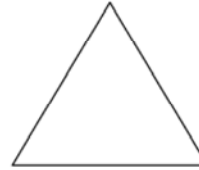
4. Find the area of the square 5. Find the perimeter of #4.



6-7. Find the area of each figure. Leave answers in simplified radical form. (no calculator)



7. Equilateral triangle with a side of 20

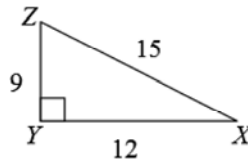


8. State the following ratios using the given triangle.

a. $\cos X$

b. $\sin Z$

c. $\tan Z$

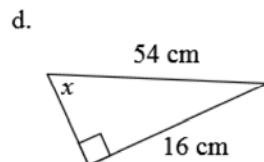
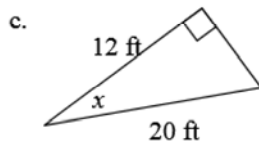
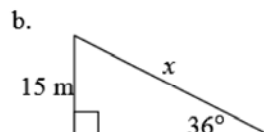
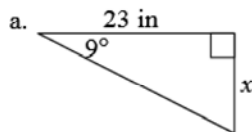


9. Using a table or calculator, find the following.

a. $\tan 28^\circ = \underline{\hspace{2cm}}$. Round to the nearest ten thousandths.

b. If $\cos A = 0.4542$, then $A = \underline{\hspace{2cm}}$. Round to the nearest degree.

10. Write the equation to find x . DO NOT SOLVE!!!



11. Find x and y to the nearest degree.

