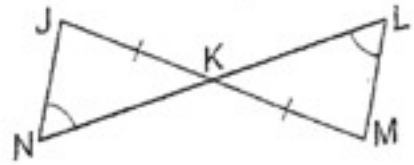
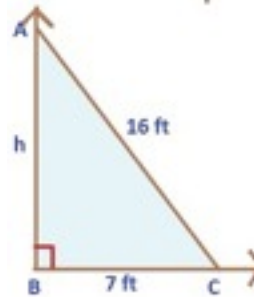
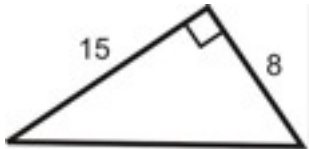


OBJECTIVE: S.W.B.A.T. apply properties of triangle to different type of problems.

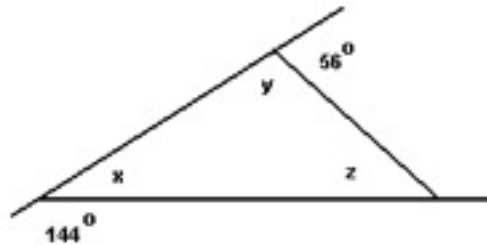
1. $\angle n = 56^\circ$ Find the remaining 5 angles in the diagram.



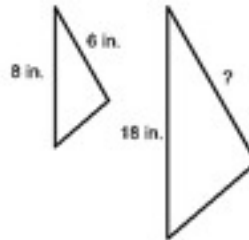
2. Find the missing side lengths



3. Find the missing angle measures

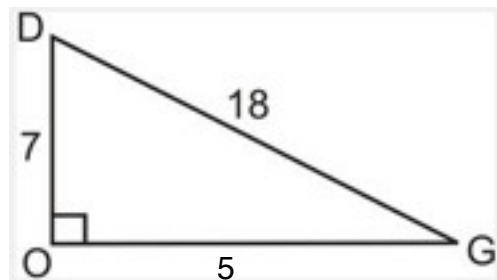


4. The triangles are similar. Find the missing side length.

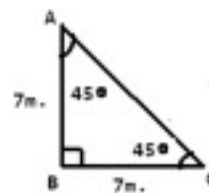
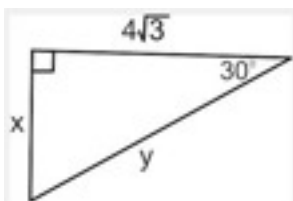


5. Find $\sin d$: _____ $\cos d$: _____ $\tan d$: _____

$\sin g$: _____ $\cos g$: _____ $\tan g$: _____



6. Find the missing side lengths in the special right triangles:



7. Use trigonometry to find the side length x :



8. Use trigonometry to find the measure of $\angle b$



9. $\triangle RST$ is an equilateral triangle:

Find the measures of

$\angle T$

$\angle UST$

Find the length of RT :

Find the length of UT :

Find the length of SU :

