<u>Unit 5 Lesson 3 – Finding Missing Sides of Right Triangles Using Trig Functions</u> ***RECALL-**-For trig functions make sure your calculator is in degree mode.

Trig Function	Sides
Sin	
Cos	
Tan	

Finding Missing Side Lengths

•	Determine which trig ratio you will use based on the side you to know	and the side you
•	Fill in the information you know, remember that the is alway	rs inside () the trig function
1.	Find the length of the missing side. Round your answer to the nearest tentKnow the	th.
	 Trying to find the Use: sin cos tan 	× 52°
2.	 Find the length of the missing side. Round your answer to the nearest tent Know the Trying to find the Use: sin cos tan 	th. 21
3.	Find the length of the missing side. Round your answer to the nearest tenth.	<u></u> 35

______35°

х

- Know the _____ ٠
- Trying to find the _____ •
- Use: sin cos tan •

- 4. Find the length of the missing side. Round your answer to the nearest tenth.
- х Know the _____ • 16° Trying to find the _____ ٠ 22 Use: *sin cos tan* Find the length of the missing side. Round your answer to the 5. X nearest tenth. 28° Know the _____ ٠ 38 Trying to find the _____ ٠ Use: sin cos tan 6. Find the length of the missing side. Round your answer to the nearest tenth. Know the _____ В ٠ . 50° Trying to find the _____ х Use: *sin cos tan* 15 С 7. Find the length of the missing side. Round your answer to the nearest tenth. С Know the _____ ٠ Trying to find the _____ ٠ Use: sin cos tan ٠ 59

8.5











