

# Workplace Mathematics 11

Unit 4: Learning Guides 10 & 11

## TRIGONOMETRY

Student: \_\_\_\_\_

T.A.: \_\_\_\_\_

Teacher: \_\_\_\_\_

**Returned without mark because:**

- Incomplete
- Work needs to be shown
- Unclear presentation
- Understanding not demonstrated

\* See the classroom teacher

**MARK:**  
Continue to  
next guide

### COMPLETING THIS GUIDE:

Your job is to use the resources in your textbook and this package to complete the activities identified.

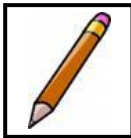
### LEARNING OUTCOMES:



1. Use Pythagorean Theorem
2. Use calculator functions to solve trigonometry problems
3. Solve problems that involve right triangles

### COMPLETING THIS GUIDE:

#### **ACTIVITIES:**

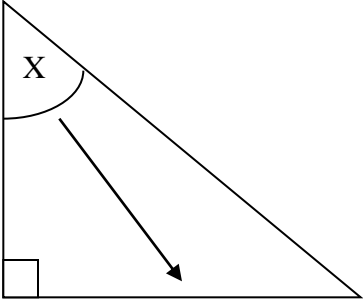


- Vocabulary & Formula definitions**
- Workbook Questions**  
(Do **NOT** hand in your Workbook.  
....Complete on **SEPARATE PAPER.**)
- Review & Challenge Questions**  
(Do **NOT** hand in your Workbook.  
....Complete on **SEPARATE PAPER.**)
- UNIT PROJECT**



**ATTACH THESE TO THIS PACKAGE WHEN YOU HAND IT IN.**

**Vocabulary & Formula definitions****Unit 4: Trigonometry**

Pythagorean Theorem (formula)	
"hypotenuse"	
"Right angle"	
"Angle of elevation"	
"Angle of depression"	
Label the following on this right angle triangle: <ul style="list-style-type: none"><li>- Opposite</li><li>- Adjacent</li><li>- Hypotenuse</li></ul>	
What does <b>SohCahToa</b> represent?	

**Workbook Questions**

(Do **NOT** hand in your Workbook.  
...Complete on **SEPARATE PAPER.**)

<input type="checkbox"/>	Page 20	<b>Read</b>
<input type="checkbox"/>	Page 21	<b>Work through Example 1</b>
<input type="checkbox"/>	Page 22	<b>Complete #1</b>
<input type="checkbox"/>	Pages 197 -198	<b>Read and complete some of your definitions</b>
<input type="checkbox"/>	Pages 198 -199	<b>Work through Example 1</b>
<input type="checkbox"/>	Page 200	<b>Complete #1, 2</b>
<input type="checkbox"/>	Page 201	<b>Work through Example 2</b>
<input type="checkbox"/>	Pages 210 -212	<b>Complete #1, 2, 3.</b>
<input type="checkbox"/>	Pages 214 -215	<b>Work through Example 1</b>
<input type="checkbox"/>	Pages 215-216	<b>Complete #1, 2,</b>
<input type="checkbox"/>	Pages 217 -218	<b>Work through Example 2</b>
<input type="checkbox"/>	Pages 219 -220	<b>Complete #4, 5. 6</b>

**Review & Challenge Questions**

(Do **NOT** hand in your Workbook.  
...Complete on **SEPARATE PAPER.**)

<input type="checkbox"/>	Page 226-230	<b>Questions #1, 2, 5, 7</b>
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**UNIT PROJECT****Unit 4: Trigonometry**

<input type="checkbox"/>	<b>SEE ATTACHED</b>	<input type="checkbox"/> <b>Show your work clearly</b> <input type="checkbox"/> <b>Attach your UNIT PROJECT to the back of all other activities listed at the start of this LG.</b>
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**Done**

**(There is no test.)**