

# MATH 10 Workplace

Unit 5: Learning Guides 14, 15, 16 & 17

## 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) Find a missing side of a triangle using the Pythagorean Theorem.
- 2) Find a missing side or angle in a right triangle using trigonometry.
- 3) Solve problems using trigonometry.

### COMPLETING THIS GUIDE:

#### ACTIVITIES:



- Vocabulary & Formula definitions**
- Textbook Questions**  
(Complete on SEPARATE PAPER.)
- Review & Challenge Questions**  
(Complete on SEPARATE PAPER.)
- Assessment Quizzes**





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


## Vocabulary & Formula definitions Unit 5: Trigonometry


Right triangle	
Pythagorean Relationship	
Hypotenuse	
Leg	
Sine ratio	
Angle of elevation	
Angle of depression	
Cosine ratio	
Tangent ratio	


## Workbook Questions

 **Expectation #1:** Find a missing side of a triangle using the Pythagorean Theorem.

<input type="checkbox"/>		<b>Watch and take notes on the Pythagorean Theorem</b>
<input type="checkbox"/>	Pages 272-273	<b>Read Explore the Math</b>
<input type="checkbox"/>	Page 274	<b>Work through Example 1.</b>
<input type="checkbox"/>	Page 276-277	<b>Work through Example 2.</b>
<input type="checkbox"/>	Pages 278-279	<b>Complete Build Your Skills #1, #2, #4, #6, #7, #8.</b>

 **Expectation #2:** Find a missing side or angle in a right triangle using trigonometry.

 **Expectation #3:** Solve problems using trigonometry.

<input type="checkbox"/>		<b>Watch and take notes on instructional video on Trigonometry.</b>
<input type="checkbox"/>	Pages 284-285	<b>Read Discuss The Ideas</b>
<input type="checkbox"/>	Pages 288-289	<b>Work through Example 1 and Example 2</b>
<input type="checkbox"/>	Pages 289-291	<b>Complete Build Your Skills #1, #2a, #3, #4, #6, #7</b>
<input type="checkbox"/>	Pages 293-294	<b>Read Explore the Math</b>
<input type="checkbox"/>	Pages 294-296	<b>Work through Example 1 and Example 2 and Example 3</b>
<input type="checkbox"/>	Pages 297-299	<b>Complete Build Your Skills #1, #2, #3, #4, #6.</b>
<input type="checkbox"/>	Pages 301	<b>Read Explore the Math</b>
<input type="checkbox"/>	Pages 302-304	<b>Work through Example 1 and Example 2</b>
<input type="checkbox"/>	Pages 305-306	<b>Complete Build Your Skills #2, #3, #4</b>

<input type="checkbox"/>	Page 307	<b>Read Explore the Math</b>
<input type="checkbox"/>	Pages 308-310	<b>Work through Example 1 and Example 2</b>
<input type="checkbox"/>	Pages 311-312	<b>Complete Build Your Skills #1, #3, #4, #5</b>
<input type="checkbox"/>		<b>Complete the expectation assessment quiz on Trigonometry</b>

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### **Review & Challenge Questions**

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

<input type="checkbox"/>	Pages 316-318	<b>Complete Practice Your New Skills #1, #2, #3, #6, #8, #8</b>
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### **Online Practice Tests**

**Practice Quiz #1**  
**Practice Quiz #2**  
**Practice Quiz #3**  
**Practice Quiz #4**  
**Practice Quiz #5**

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### **UNIT TEST**

<input type="checkbox"/>		<b>Complete the Unit 5 Test</b>
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**Done**