

**Homework: Lesson 12.1 Part 2 Right Triangle Trigonometry**

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Period: \_\_\_\_\_

How long: \_\_\_\_\_

1. Use the Pythagorean theorem to find the missing lengths.

a)

b)

2. Use trigonometric ratios to find the missing length.

a)

b)

3. Use trigonometric inverses to find the missing angles.

a)

b)

c)

d)

4. Solve each of the following word problems using Pythagorean theorem, trigonometric ratios or trigonometric inverses.