Name_____ Date_____ Pd____

9.4 – 9.6 Trigonometry DAY THREE CYU #1: Basic Trig Ratios

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Trig Ratios of Side Lengths	1 - 6		
Pythagorean Theorem	1 - 6		
Scientific Calculator	7 - 9	10 – 12	
Inverse Trig Functions		10 - 12	
Solving Right Triangles			13 - 17

*1 – 6: Express the following as fractions in simplest form:*

1. sin A = _____   2. cos A = _____

3. tan A = _____   4. sin B = _____

5. cos B = _____   6. tan B = _____
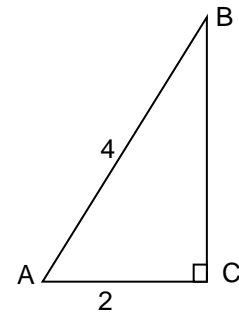
7 – 12: Use a scientific calculator to find side length ratios to the thousandths and angle measures to the degree.

7. sin 70° ≈ _____   8. cos 32° ≈ _____

9. tan 14° ≈ _____   10. sin _____ ≈ 0.9744

11. cos _____ ≈ 0.9903   12. tan _____ ≈ 1.8040

13 – 17: Solve the right triangle using a scientific calculator to find the value of x. Find lengths correct to the nearest integer and angles correct to the nearest degree.
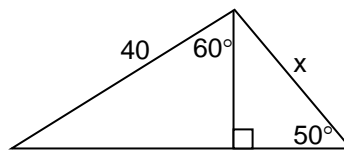
13.

X = _____

14.

X = _____

15.

X = _____

16.

14 \quad x \quad 14

18

X = _____

17.

40 \quad 60° \quad x

50°
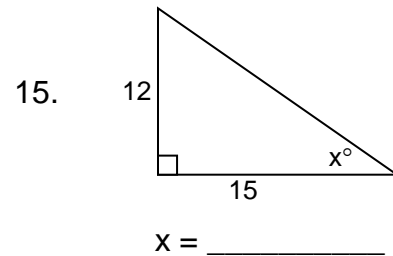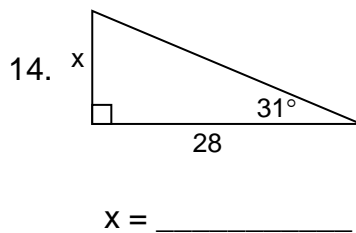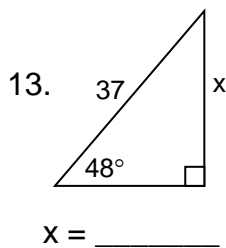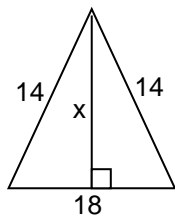
X = _____

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

| 1 2 | 3 4 5 | 6 7 | 8 |

Basic   Intermediate   Advanced   Solved ALL!