Homework 5.2 due Tuesday 2/19 *4 problems require work*

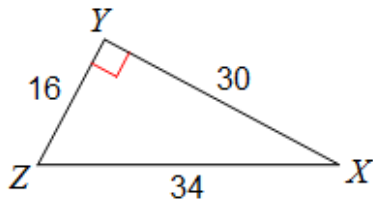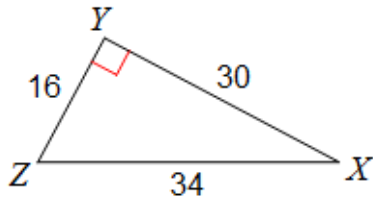13 Questions

1.

What is the length of the side opposite ∠X?
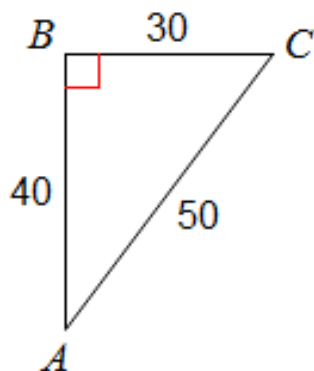
☐ a) 16 ☐ b) 30

☐ c) 34

2.

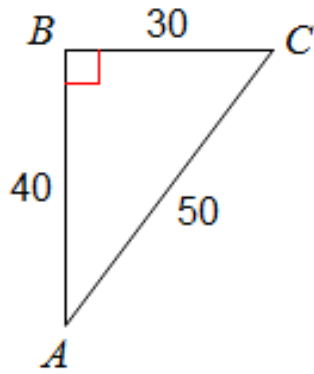What is the length of the side adjacent to ∠Z?

☐ a) 16 ☐ b) 30

☐ c) 34

3.

What is the length of the side opposite ∠A?

☐ a) 30 ☐ b) 40

☐ c) 50

4.

What is the length of the side adjacent to ∠C?

☐ a) 30 ☐ b) 40

☐ c) 50

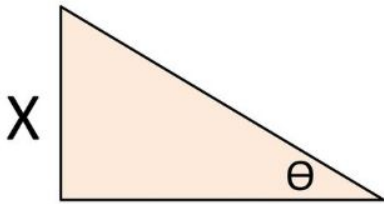**5.** How can you identify the hypotenuse of any right triangle?

☐ a) the shortest side ☐ b) the side attached to the right angle

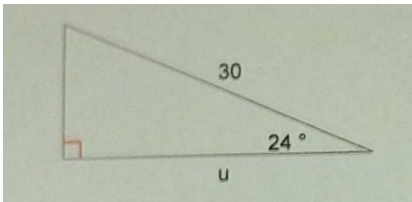☐ c) the side directly across from the right angle ☐ d) the side directly across from the most acute angle

6.

What is the side marked with an X?

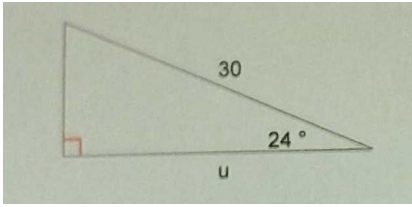☐ a) hypotenuse ☐ b) opposite side

☐ c) adjacent side

7.

Which function should be used to solve for U?

☐ a) Sine ☐ b) Cosine

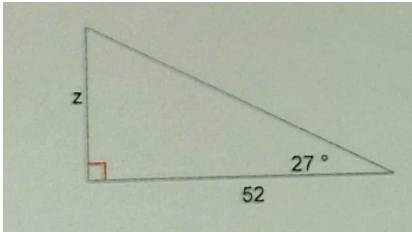☐ c) Tangent

8.

Solve for U to the nearest tenth

a) 12.2

b) 32.8

c) 27.4

d) 13.4

9.
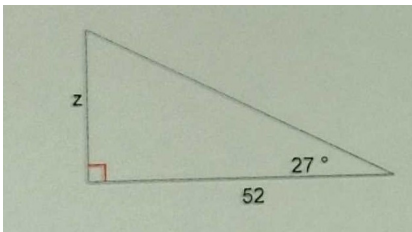

Which function should be used to solve for Z?

a) Sine

b) Cosine

c) Tangent

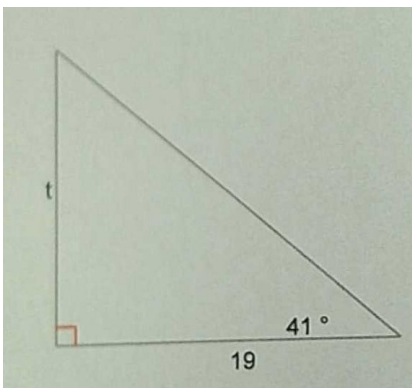**10.**

Solve for Z to the nearest tenth
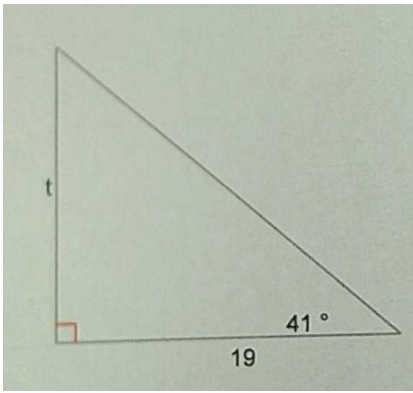
a) 26.5

b) 23.6

c) 46.3

d) 102.1

11.

Which function is used to solve for t?

a) Sine

b) Cosine

c) Tangent

12.

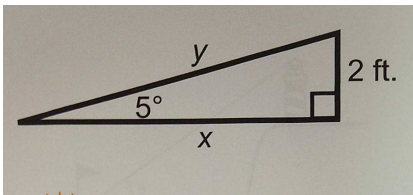WORK REQUIRED Solve for t, to the nearest tenth

- [ ] a) 21.9
- [ ] b) 12.5
- [ ] c) 14.3
- [ ] d) 16.5

13.

WORK REQUIRED Solve for x and y, to the nearest tenth. Choose the two answers most appropriate!

- [ ] a) x = 0.17
- [ ] b) x = 22.8
- [ ] c) y = 0.17
- [ ] d) y = 22.9