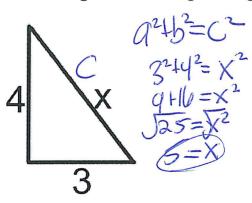


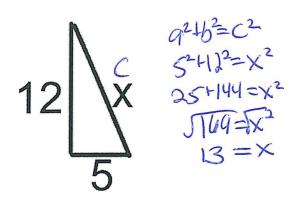
Date Geometry

## Pythagorean Theorem

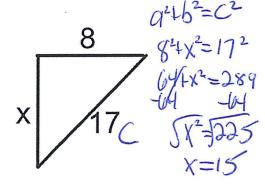
Find the missing side of each right triangle rounding to the nearest tenth if necessary

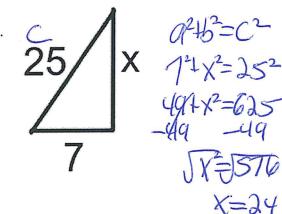
1.

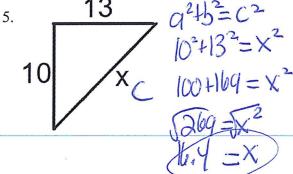


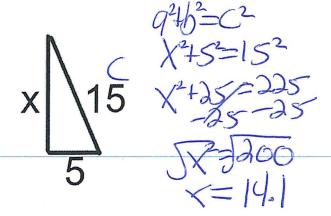


3.









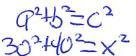
7. Tanya runs diagonally across a rectangular field that has a length of 40 yards and a width of 30 yards, as shown in the diagram below.

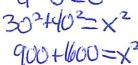
What is the length of the diagonal, in yards, that Tanya runs?

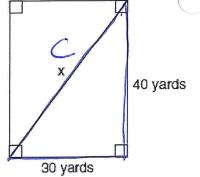
1) 50

70

2) 60



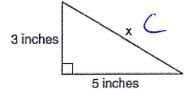


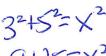


- 8. What is the value of x, in inches, in the right triangle below?
- 1)  $\sqrt{15}$

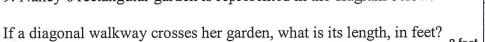
3)  $\sqrt{34}$ 

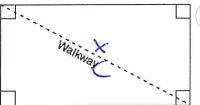
2) 8





- 9. Nancy's rectangular garden is represented in the diagram below.





15 feet

- 2) 22



10. The end of a dog's leash is attached to the top of a 5-foot-tall fence post, as shown in the diagram below. The dog is 7 feet away from the base of the fence post.

How long is the leash, to the nearest tenth of a foot?

- 1) 4.9
- (2) 8.6
- 3) 9.0
- 4) 12.0
- 92H3=C2



