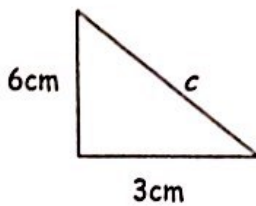


Name _____ Date _____ Period _____

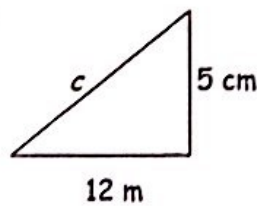
Quiz A: Pythagorean Theorem

Directions: Find the length of each missing side. Write answers in simplest radical form.
SHOW ALL WORK.

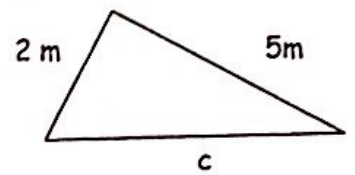
1.



2.



3.



4. $a = 15$ $b = 20$ $c = \underline{\hspace{2cm}}$

5. $a = 6$ $b = \underline{\hspace{2cm}}$ $c = 10$

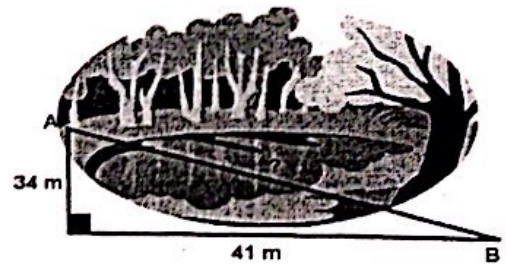
6. $a = \underline{\hspace{2cm}}$ $b = 5$ $c = 13$

7. $a = 9$ $b = \underline{\hspace{2cm}}$ $c = 15$

8. $a = 4$ $b = 8$ $c = \underline{\hspace{2cm}}$

9. $a = \underline{\hspace{2cm}}$ $b = 6$ $c = 12$

10. To get from point A to point B you must avoid walking through a pond. To avoid the pond, you must walk 34 meters south and 41 meters east. To the *nearest meter*, how many meters would be saved if it were possible to walk through the pond?



11. A ladder is leaning against the side of a 10m house. If the base of the ladder is 3m away from the house, how tall is the ladder? Please draw a diagram and show all work.

ANSWERS:

1. _____ 2. _____ 3. _____ 4. _____ 5. _____ 6. _____
7. _____ 8. _____ 9. _____ 10. _____ 11. _____