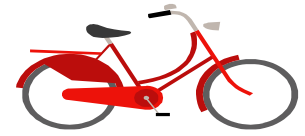


Pythagorean Theorem Word Problems

Name: _____ Date: _____ Per: _____

1.

George rides his bike 9 KM south and then 12 KM east. How far is he from his starting point?



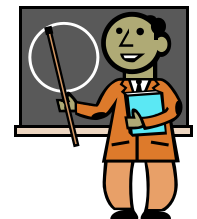
2.

A 6-ft ladder is placed against a wall with its base 2 ft from the wall. How high above the ground is the top of the ladder?



3

Ms. Green tells you that a right triangle has a hypotenuse of 13 and a leg of 5. She asks you to find the other leg of the triangle. What is your answer?



4.

A 20 foot ladder is leaned against a wall. If the base of the ladder is 8 feet from the wall, how high up the wall will the ladder reach?



how

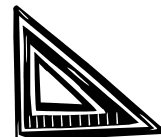


5.

In a computer catalog, a computer monitor is listed as being 12 inches. This distance is the diagonal distance across the screen. If the screen measures 10 inches in height, what is the width of the screen?

6.

If the legs of an isosceles right triangle are 6 units long, find the length of the hypotenuse.



7.

A baseball diamond is a square with sides of 10 feet. (Not really but I did not want your numbers to be too big.) What is the distance between first base and third base?



8.

Two joggers run 8 miles north and then 5 miles west. What is the shortest distance they must travel to return to their starting point?