Pythagorean Theorem

Independent Set 6.03

Name_____
Date_____
Period_____

Six questions, on your own, in silence. Show the step that does the work.

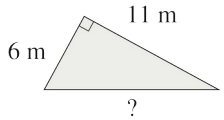
1. A right triangle has legs of 12 m and 5 m. How long is the hypotenuse?

2. A right triangle has legs of 3 ft and 8 ft. How long is the hypotenuse, exactly and to the nearest tenth?

3. A right triangle has a hypotenuse of 39 cm and one leg of 36 cm. How long is the other leg?

4. A right triangle has a hypotenuse of 11 inches and one leg of 4 inches. How long is the other leg, exactly and to the nearest tenth?

5. The right triangle on your paper has legs of 6 m and 11 m. How long is its hypotenuse, to the nearest tenth?



6. A right triangle has a hypotenuse of 25 yd and one leg of 24 yd. The other leg is x. Write the equation that finds x, then find x.