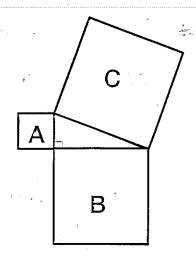
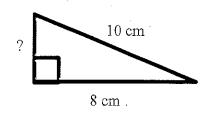
Name:	

1. Explain in words what the Pythagorean theorem says about the areas of the squares A, B and C?



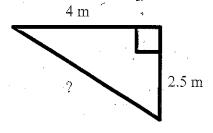
2. Use the Pythagorean theorem to determine the length of the missing side



$$10^2 - 8^2 = 36$$

 $\sqrt{36} = 6cm$

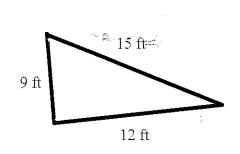
3. Use the Pythagorean theorem to determine the length of the hypotenuse.



$$4^{2} + 2.5^{2} = 22.25$$

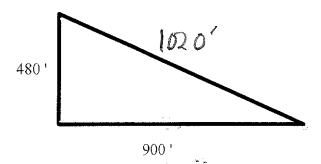
$$\sqrt{22.25} = (4.72 \text{ m})$$

4. Is the following a right triangle?



$$9^{2} + 12^{3} = 225$$

5. Lora is building a fence around a triangular section of her property, she will be spacing the fence posts 6' apart, how many fence posts will she need?



Total process.