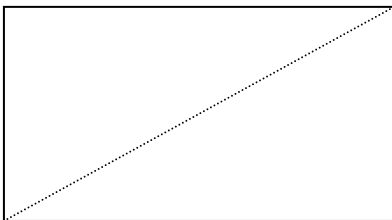


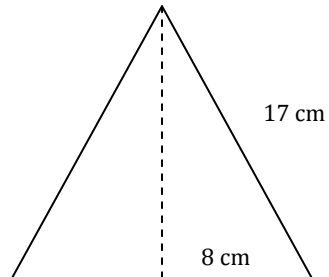
Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Without using your calculator, determine which integer below is the best approximation for  $\sqrt{51}$ .  
A) 5      B) 6      C) 7      D) 8
2. Javier measured the sides of a triangular garden in his backyard and the sides measured 6 feet, 8 feet, and 10 feet. Is the shape of his garden a **right** triangle? Test using the Pythagorean Theorem.
3. The hypotenuse of a right triangle measures 3.8 in and one of the legs measures 1.2 in. Find the missing leg length. Round to the nearest tenth of an inch.
4. Find the perimeter of the rectangle with a width of 12 inches and a diagonal length of 20 inches.



5. Lori measured the sides of a triangle and recorded side lengths of 8 cm, 10 cm, and 15 cm. Is the triangle a **right** triangle?

6. Find the height of the triangle shown:



7. Without using your calculator, which of the following integers is the best approximation of  $\sqrt{125}$ ?
- A) 10                      B) 11                      C) 12                      D) 13