

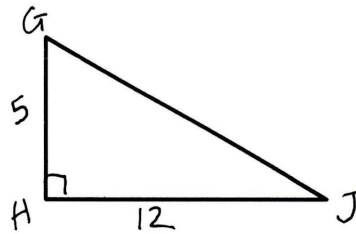
Name: \_\_\_\_\_

### Homework – Monday (March 11, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT**.

1. The lengths of the legs of a right triangle are 7.5 inches and 10.0 inches. What is the length of the hypotenuse of this right triangle?

2. Find the length of  $\overline{GJ}$ .



3. Which of the sets of measurements represents the lengths of the sides of a right triangle?

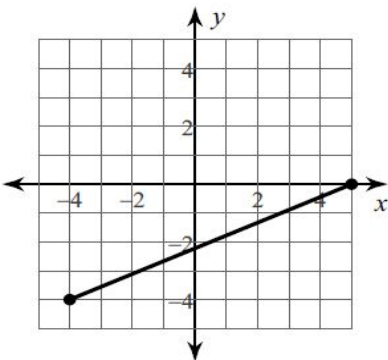
- a. 10, 24, 26
- b. 5, 12, 34
- c. 12, 18, 30
- d. 1, 2, 9

4. Bryan leaned a 15 foot ladder against a wall. If the base of the ladder is 3 feet from the bottom of the wall, approximately how far up the wall does the ladder reach?

### Homework- Tuesday (March 12, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT**.

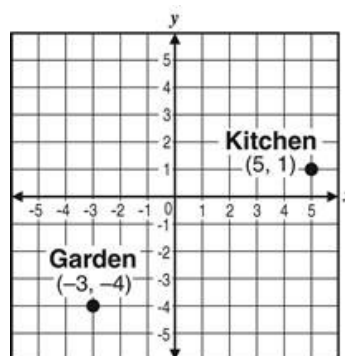
1. What is the length of the line segment?



2. What is the distance between the points  $(-4, -3)$  and  $(6, 2)$ ?

3. A ladder is leaning against the side of a house. The base of the ladder is 8 feet away from the wall, and the top of the ladder reaches a point on the house that is 15 feet above the ground. What is the length of the ladder?

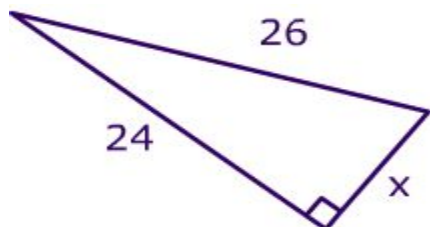
4. What is the distance from the Garden to the Kitchen?



### Homework - Wednesday (March 13, 2019)

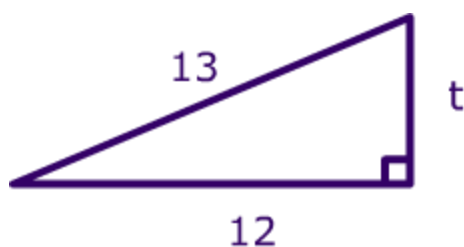
Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT**.

1. Find the perimeter of the right triangle.

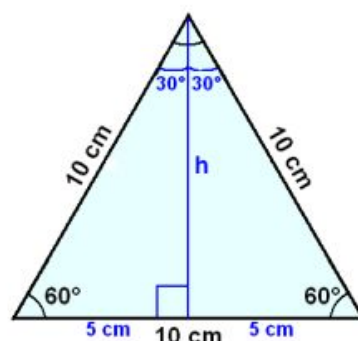


2. The vertices of a triangle are located at  $L(4, -3)$ ,  $M(1, -3)$ , and  $N(1, 0)$ . What is the approximate perimeter of triangle LMN?

3. What is the area of the triangle?



4. What is the area of the triangle?

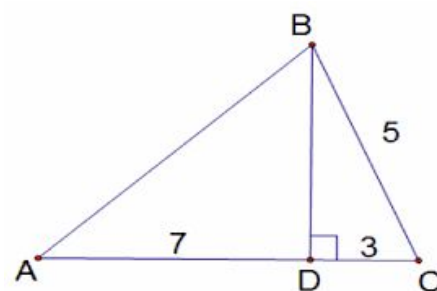


### Homework - Thursday (March 14, 2019)

Solve the following problems **without a calculator**. You **MUST** show your work. **NO WORK = NO CREDIT**.

1. Ms. Brand's office measures 8 feet by 12 feet. What is the approximate diagonal measurement of the office?

2. What is the area of  $\triangle ABD$ ?



3. Square MNOP has the vertices  $M(-3,3)$ ,  $N(3,3)$ ,  $O(3,-3)$  and  $P(-3,-3)$ . What is the approximate length of the diagonal NP?

4. A ship leaves port A and sails 12 kilometers west to port B. It then sails 19 kilometers north to point C.
- How far is the ship from port A?
  - If the ship returns from port C to port A, how far did the ship travel?

