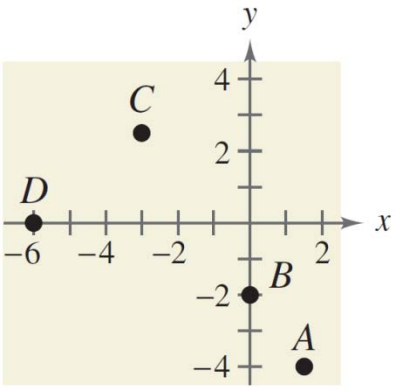
Ex 1:
Approximate the coordinates of the points.



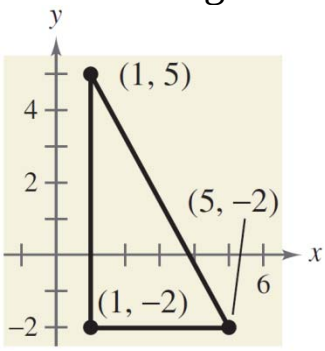
Ex 2:
Determine the quadrant(s) in which (x, y) is located so that the condition(s) is (are) satisfied.

a) $x < 0$ and $y < 0$

b) $x > 2$ and $y = 3$

Pythagorean Theorem:

Ex 3:
Find the length of the hypotenuse of the triangle.



The relationship between the distance formula and Pythagorean Theorem is shown on page 4.

Distance Formula:

Midpoint Formula:

Ex 4:
Find the distance between the points, and find the midpoint of the line segment joining the points.
$(-7,-4),\ (2,8)$

Ex 5:
Dimensions of a Container The width of a rectangle storage container is 1.25 times the height. The length of the container is 16 inches and the volume of the container is 2,000 cubic inches.
a) Draw a diagram that represents the problem. Label the height, width, and length accordingly.
b) Write w in terms of h and write an equation for the volume in terms of h.
c) Find the dimensions of the container.

Note: Geometry formula's on page 1

Assignment 1.1

Pg. 9 Vocab #'s 1-4 Problem Set #'s 1-47 ODD, 51, 53, 63, 65, 67

Check Answers Pg. A77