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

Distance Formula Worksheet

1. Find the length of the line segment whose endpoints are $\left(-8,7\right)$ and $(6,4)$.
2. Find the distance between the points $(3,5)$ and $(12,2)$.
3. The point $(-3,-6)$ lies on a circle. What is the length of the radius of this circle if the center is located at $(9,-2)$.



Use the following diagram for problems 4-7

1. Find the distance of line segment $AC$.
2. Find the length of line segment $AB$.
3. Find the distance of line segment $BD$.
4. Find the length of line segment $BC$.

Cumulative Review

Set up and solve an equation to solve for the given variable. Justify your equation.



1.
2. Given: AC = 39 m

**.**

A

B

2x-8

x+17

C

1. 
2.

1.
2.

