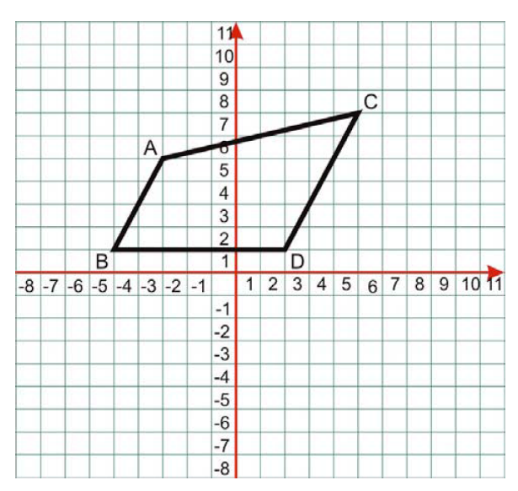
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Distance Formula Worksheet

1. Find the length of the line segment whose endpoints are and .
2. Find the distance between the points and .
3. The point lies on a circle. What is the length of the radius of this circle if the center is located at .

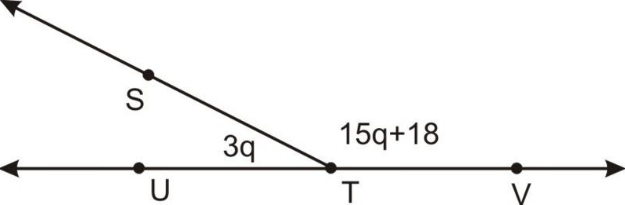
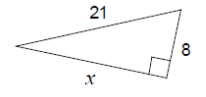


Use the following diagram for problems 4-7

1. Find the distance of line segment .
2. Find the length of line segment .
3. Find the distance of line segment .
4. Find the length of line segment .

Cumulative Review

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



2. Given: AC = 39 m

**.**

A

B

2x-8

x+17

C

1. 