

Name \_\_\_\_\_

Date \_\_\_\_\_

### Using Coordinates To Prove Theorems - Guided Lesson

Complete the following problems:

1) Prove or disprove that the point  $(-6.2, -3.2)$  lies on the circle centered at  $(-8.1, -7.3)$ , and containing the point  $(-2.1, -4.4)$ .

2) Prove or disprove that the point  $(4, 6)$  lies on the circle centered at the  $(1, 2)$ , and containing the point  $(-2, -2)$ .

3) Prove or disprove that the point  $(7, 17)$  lies on the circle centered at  $(2, 5)$ , and containing the point  $(-3, -7)$ .

