Name _____   Date _____

Using Coordinates To Prove Theorems - Independent Practice Worksheet

Complete all the problems.

1. State: Yes" or "No". Does the point (-3, 45) lie on the circle centered at (-6, -5), and containing the point (15, -35)?

2. State: Yes" or "No". Does the point (5, -28) lie on the circle centered at (-2, -4), and containing the point (-9, 20)?

3. State: Yes" or "No". Does the point (3, 7) lie on the circle centered at (2, 2), and containing the point (6, 3)?

4. State: Yes" or "No". Does the point (-6, -52) lie on the circle centered at(-5, -8), and containing the point (-4, 36)?

5. State: Yes" or "No". Does the point (-4, -1) lie on the circle centered at (3, 5), and containing the point (7, 2)?

6. State: Yes" or "No". Does the point (9, 1) lie on the circle centered at (6, 0), and containing the point (3, 7)?

7. State: Yes" or "No". Does the point (16, 42) lie on the circle centered at (-4, -7), and containing the point (24, -56)?

8. State: Yes" or "No". Does the point (2, 5) lie on the circle centered at (1, 1), and containing the point (0, 5)?

9. State: Yes" or "No". Does the point (-10, -76) lie on the circle centered at(-3,8), and containing the point (4, 92)?

10. State: Yes" or "No". Does the point (-6, -5) lie on the circle centered at(3, 8), and containing the point (3, 1)?