Using Coordinates To Prove Theorems - Matching Worksheet

Write the letter of the answer that matches the problem.

_____ 1. Prove or disprove that the point (5, 5) lies on the circle centered at (2, 4), and containing the point (8, 2).

a. Yes

_____ 2. Prove or disprove that the point (-8, -58) lies on the circle centered at (-8, -5), and containing the point (-8, 48).

b. Yes

_____ 3. Prove or disprove that the point (-6, -7) lies on the circle centered at (-2, -8), and containing the point (2, -9).

c. No

_____ 4. Prove or disprove that the point (-9, -6) lies on the circle centered at (4, 0), and containing the point (3, 9).

d. No

_____ 5. Prove or disprove that the point (-15, -12) lies on the circle centered at   (-5, -9), and containing the point (5, -6).

e. No

_____ 6. Prove or disprove that the point (2, 7) lies on the circle centered at (1, 1), and containing the point (6, 5).

f. No

_____ 7. Prove or disprove that the point (9, 2) lies on the circle centered at (3, 5), and containing the point (-1, -1).

g. Yes

_____ 8. Prove or disprove that the point (-20, -42) lies on the circle centered at (-8, -3), and containing the point (36, 48).

h. No

_____ 9. Prove or disprove that the point (22, 190) lies on the circle centered at (-3, 10), and containing the point (-16, -170).

i. No