

Name _____

Date _____

Finding the Equation of Circles Problems - Matching Worksheet

Write the letter of the answer that matches the problem.

- _____ 1. Find the equation of a circle whose center is at (5, - 1) and radius 3. a. $(x - 1.5)^2 + (y - 1)^2 = 21.25$
- _____ 2. Find the equation of a circle that has a diameter with the endpoints given by the points A (-4, -2) and B (4, 2). b. $(x - 4)^2 + (y + 5)^2 = 81$
- _____ 3. Find the equation of a circle whose center is at (4, - 5) and radius 9. c. $(x + 6)^2 + (y + 4)^2 = 4$
- _____ 4. Find the equation of a circle that has a diameter with the endpoints given by the points A (-2, -2) and B (5, 4). d. $(x - 1)^2 + (y - 1)^2 = 61$
- _____ 5. Find the equation of a circle whose center is at (4, - 7) and radius 6. e. $(x - 3)^2 + (y + 6)^2 = 16$
- _____ 6. Find the equation of a circle that has a diameter with the endpoints given by the points A (-5, 4) and B (7, 9). f. $(x - 0)^2 + (y - 0)^2 = 20$
- _____ 7. Find the equation of a circle whose center is at (-6, - 4) and radius 2. g. $(x - 5)^2 + (y + 1)^2 = 9$
- _____ 8. Find the equation of a circle that has a diameter with the endpoints given by the points A (-5, 6) and B (7, -4). h. $(x - 1)^2 + (y - 6.5)^2 = 42.25$
- _____ 9. Find the equation of a circle whose center is at (3, - 6) and radius 4. i. $(x - 4)^2 + (y + 7)^2 = 36$

