



Name: _____

Date: _____

Graphs Circles Intro

Solve for x. Show your work.

1. Center (1,1), radius 6

2. Center (2,2), radius 9

3. Center (-1,-3), radius 9

4. Center (-5,-4), radius 10

5. Center (-2,2), radius 9

6. Center (5,-1), radius 9

7. Center (-5,5), radius 7

8. Center (4,-4), radius 8



Graphs Circles Intro – Answer Key

1. Center (1,1), radius 6

$$(x - 1)^2 + (y - 1)^2 = 36$$

2. Center (2,2), radius 9

$$(x - 2)^2 + (y - 2)^2 = 81$$

3. Center (-1,-3), radius 9

$$(x - -1)^2 + (y - -3)^2 = 81$$

4. Center (-5,-4), radius 10

$$(x - -5)^2 + (y - -4)^2 = 100$$

5. Center (-2,2), radius 9

$$(x - -2)^2 + (y - 2)^2 = 81$$

6. Center (5,-1), radius 9

$$(x - 5)^2 + (y - -1)^2 = 81$$

7. Center (-5,5), radius 7

$$(x - -5)^2 + (y - 5)^2 = 49$$

8. Center (4,-4), radius 8

$$(x - 4)^2 + (y - -4)^2 = 64$$