

Matching: Circles

Directions: Match the equation of the circle with the description given.

1. Center at the point (2, 4) and radius equal to 4.
 2. Center at the point (negative 2, 4) and diameter equal to 4.
 3. Center at the point (2, 4) and through the point (negative 6, 4).
 4. Center at the point (negative 2, negative 4) and diameter 16.
 5. Center at the point (4, negative 2) and through the point (4, 2).
 6. Center at the point (negative 4, 2) and diameter equal to 8.
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- a. The quantity $x + 2$ squared plus the quantity $y - 4$ squared equals 4.
 - b. The quantity $x + 2$ squared plus the quantity $y + 4$ squared equals 64.
 - c. The quantity $x - 2$ squared plus the quantity $y - 4$ squared equals 16.
 - d. The quantity $x + 4$ squared plus the quantity $y - 2$ squared equals 16.
 - e. The quantity $x - 4$ squared plus the quantity $y + 2$ squared equals 16.
 - f. The quantity $x - 2$ squared plus the quantity $y - 4$ squared equals 64.

Answers:

1. C
2. A
3. F
4. B
5. E
6. D