

Intro ch1 sec1-2 Quiz Outline

What is the Standard form of an equation of a circle.

1. For the points (,) and (,):

- (a) Find the distance between them. (Do not round your answer, no decimal.)
- (b) Find the midpoint of the line segment that joins them.

2. Determine which point $A(,)$ or $B(,)$ is closer to the origin? (Must show work for credit.)

3. If $M(,)$ is the midpoint of the line segment AB , and if A has coordinates (,), find the coordinates of B .

4. Test the equation for symmetry. (x-axis, y-axis, origin, or none.) **Must show work the supports your answer or you will earn no credit.**

5. Find the x - and y -intercepts of the graph of the equation

6. Find an equation of the circle with the center at (\quad , \quad) and a radius of \quad .

7. Find the center and radius of the circle for the equation of

8. The endpoints of a diameter of a circle are $P(\quad , \quad)$ and $Q(\quad , \quad)$. Find the equation of the circle.