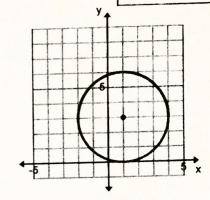
HW 5-6 HONORS: Distance with Circles

Calculate the circumference and area of the circle.

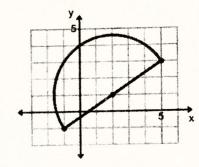
Circumference:



2. Calculate the perimeter and area of the figure.

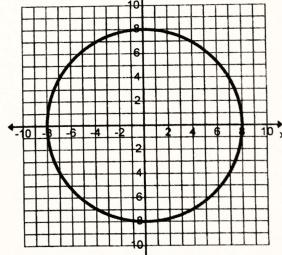
Perimeter:

Area:



- 3. Given this circle with the center at the origin and a point on the circle at (8,0). Determine if the points are on the circle. Justify your answer by showing your work.
 - a. Give the length of the radius.

b. (7, 4)



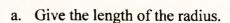
c. (-6, -5) Not on circle

V61≈7.8 7.8≠8

- d. Calculate the circumference of the circle.
- e. Calculate the area of the circle.

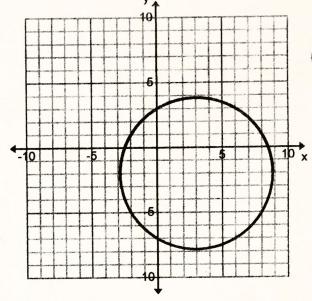
1417 × 201.06 112

4. Given this circle with the center at (3,-2) and a point on the circle at (6,3). Determine if the points are on the circle. Justify your answer by showing your work.





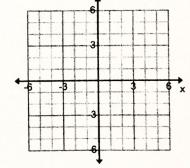




- d. Calculate the circumference of the circle.
- e. Calculate the area of the circle.
- 5. Given a circle with the center at (0,1) and a point on the circle at (3,5), determine if the points are on the circle. Justify your answer by showing your work.

b.
$$(\sqrt{3}, \sqrt{22})$$

Not on the circle



Given a circle with radius 3 and centered at (2, 4). Determine if the following points are on the circle. Justify your answer by showing your work.

