SECTION IV

Find the center and the radius for each given circle.
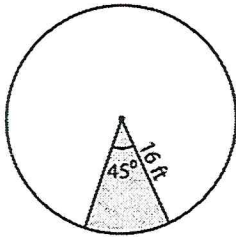
① $(x + 2)^2 + (y + 8)^2 = 25$

② $x^2 + (y - 5)^2 = 100$
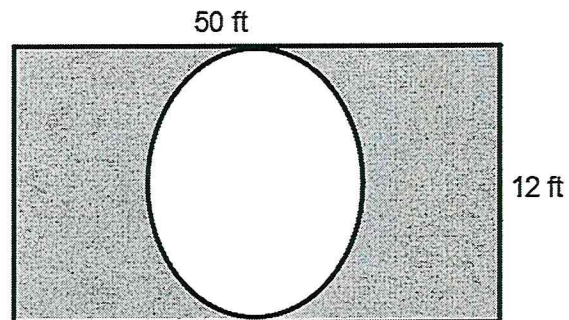
③ Write the equation of the circle whose center is at (-3, 7) and is passing through the origin.

SECTION V

Find the area for the given sector. Leave ans. in π (exact)

①

45° 16 ft

② Use the given figure.

a) Calculate the area of the shaded section. Round to nearest 10th at very end.

50 ft

12 ft

b) Find the circumference of the circle. Keep answer exact, in π.