

#47

(a) CENTER (4,4)
RADIUS 5

Eq OF CIRCLE IS

$$(x-4)^2 + (y-4)^2 = 25$$

(b) CENTER (4,4)
RADIUS $5/\sqrt{2}$

Eq OF CIRCLE IS

$$(x-4)^2 + (y-4)^2 = \frac{25}{2}$$

#44

CENTER (3,5)
RADIUS 5

Eq OF CIRCLE IS

$$(x-3)^2 + (y-5)^2 = 25$$