

HW15

p84

5. Circle, $(h, k), r$

$$11. a) 3 = |2 - 1| + 2$$

$$3 = 1 + 2 \checkmark$$

$$b) 0 = |-1 - 1| + 2$$

$$0 = 2 + 2 \times$$

$$12. a) 2(1) - 2 - 3 = 0$$

$$2 - 2 - 3 = 0$$

$$-3 = 0 \times$$

$$b) 2(1) - (-1) - 3 = 0$$

$$2 + 1 - 3 = 0 \checkmark$$

$$u1. x^2 + y^2 = 16$$

$$u2. x^2 + y^2 = 25$$

$$u3. (x-2)^2 + (y+1)^2 = 16$$

$$u4. (x+7)^2 + (y+4)^2 = 49$$

$$u5. r = \sqrt{(0+1)^2 + (0-2)^2}$$

$$r = \sqrt{1+4}$$

$$r = \sqrt{5}$$

$$(x+1)^2 + (y-2)^2 = 5$$

$$u6. r = \sqrt{(-1-3)^2 + (1+2)^2}$$

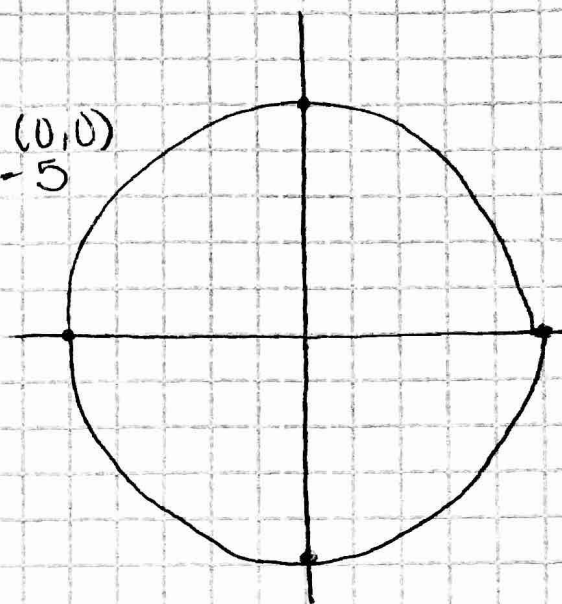
$$r = \sqrt{16+9}$$

$$r = \sqrt{25}$$

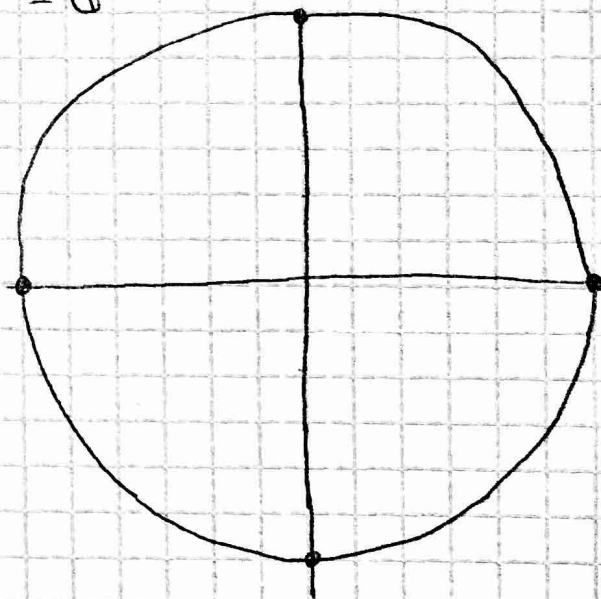
$$r = 5$$

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

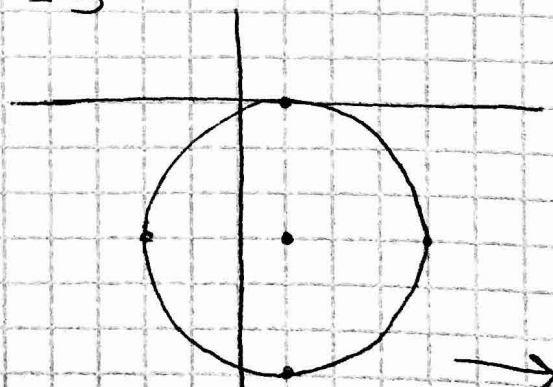
69. C: (0,0)
r = 5



70. C: (0,0)
r = 6



71. C: (1,-3)
r = 3



72. $C: (0, 1)$
 $r = 1$

