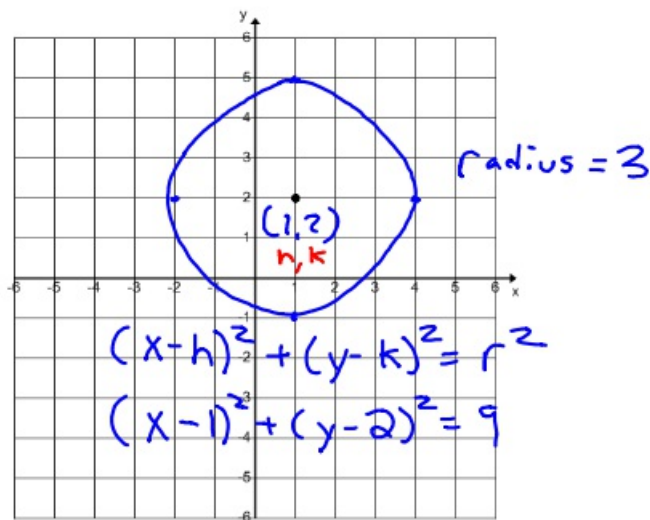


2-15-19 5th Geo



① $(x-3)^2 + (y+2)^2 = 25$

center = $(3, -2)$

radius = 5

② $(x+3)^2 + (y+8)^2 = 100$

center = $(-3, -8)$

radius = 10

③ $(x-4)^2 + y^2 = 4$

center = $(4, 0)$

radius = 2

④ center = $(2, -8)$

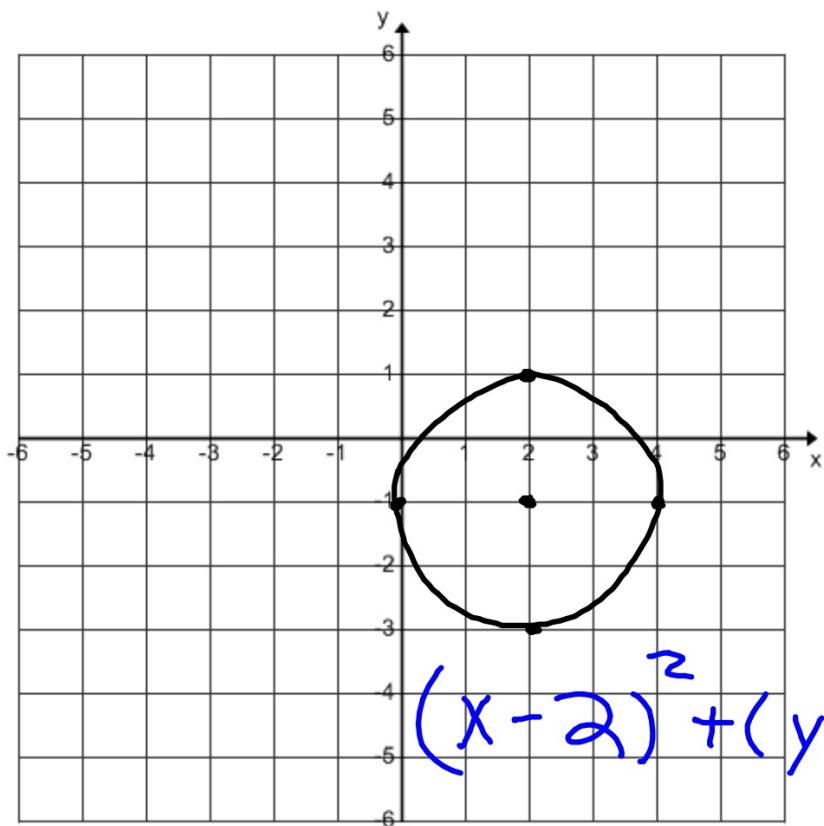
radius = 11

$$(x-2)^2 + (y+8)^2 = 121$$

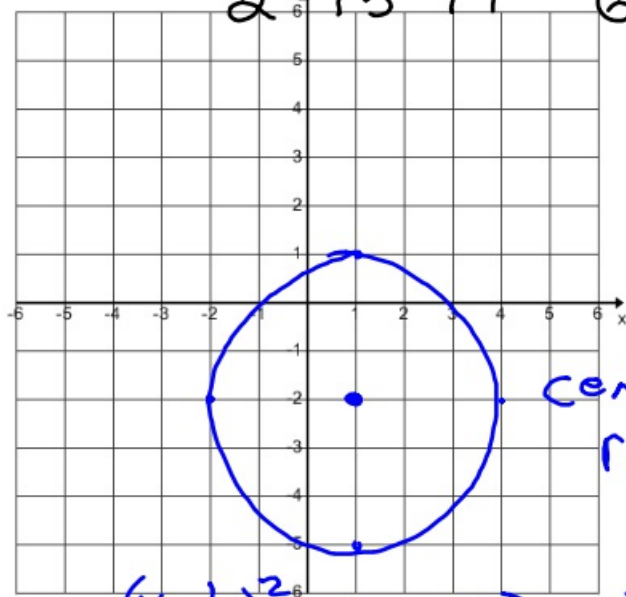
⑤ center = $(0, -2)$

radius = 1

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



2415-19 6th Geo



center = (1, -2)
radius = 3

$$(x-h)^2 + (y-k)^2 = r^2$$

$$(x-1)^2 + (y+2)^2 = 9$$

① $(x+6)^2 + (y-1)^2 = 25$
center = (-6, 1)
radius = 5

② $(x-3)^2 + (y+5)^2 = 100$
center = (3, -5)
radius = 10

③ $x^2 + (y-1)^2 = 4$
center = (0, 1)
radius = 2

④ Center = $(2, -4)$

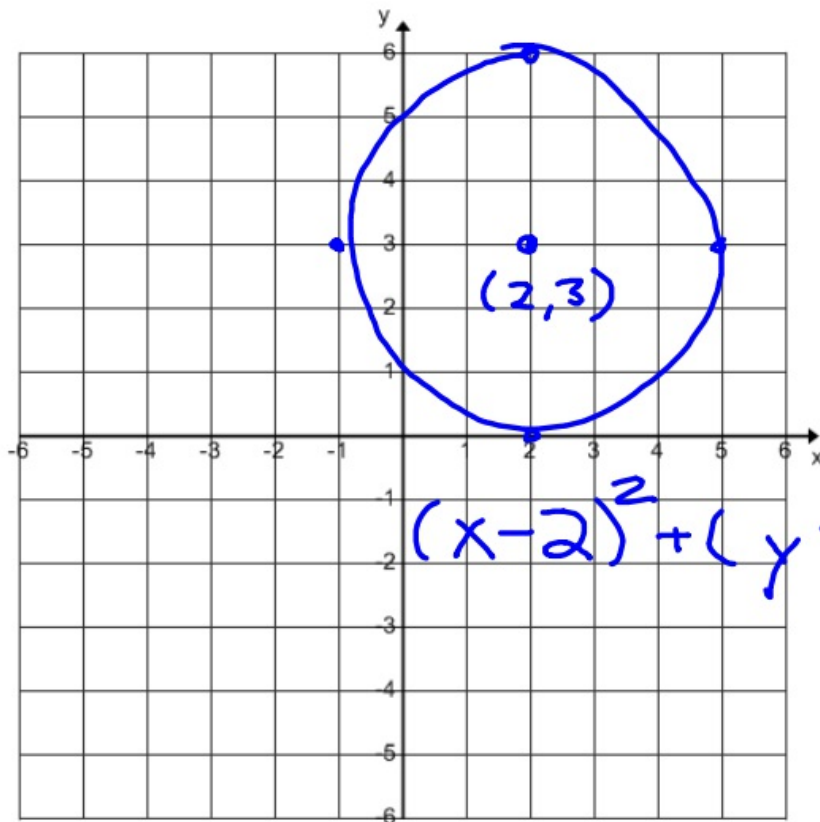
radius = 5

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

⑤ Center = $(0, -8)$

radius = 2

$$x^2 + (y+8)^2 = 4$$



$$(x-2)^2 + (y-3)^2 = 9$$