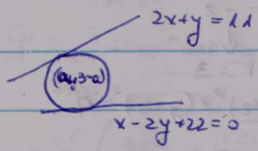


4.20  
9



: מרחק הנקודה מהקו

$$\frac{|a - 2(3-a) + 22|}{\sqrt{5}} = \frac{|2a + 3 - a - 11|}{\sqrt{5}}$$

$$|3a + 16| = |a - 8|$$

$$3a + 16 = a - 8$$

$$2a = -24$$

$$a = -12$$

$$a = -12, b = 15, r = \frac{20}{\sqrt{5}}$$

$$(x + 12)^2 + (y - 15)^2 = 80$$

$$3a + 16 = 8 - a$$

$$4a = -8$$

$$a = -2, b = 5, r = \frac{16}{\sqrt{5}}$$

$$(x + 2)^2 + (y - 5)^2 = 20$$