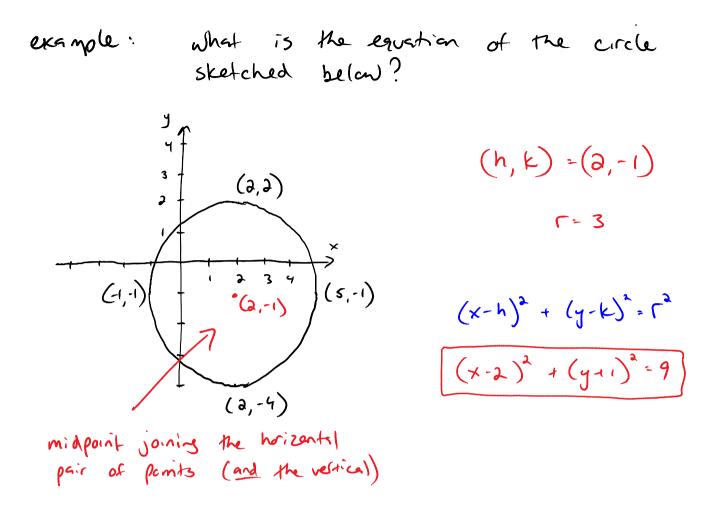
Section 10.2: conta

Tuesday, March 10, 2015 11:30 AM



example: find the coordinates of the contre and also find the radius of the following equation of a circle:

$$x^{2} + y^{2} + 6x - 4y + 9 = 0$$

$$x^{2} + 6x - (3)^{2} + y^{2} - 4y + (-2)^{2} = -9 + 3^{2} + (-2)^{2}$$

$$(x + 3)^{2} + (y - 2)^{2} = -9 + 9 + 4$$

$$(x + 3)^{2} + (y - 2)^{2} = 4$$

contre: (-3,2)

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half of the major axis =

semi-major axis