

ESEMPIO

$$|\vec{a}| = a$$

$$\vec{a}_y = 2\vec{a}_y$$

$$c = a \cos 45^\circ = a \cdot 0,71$$

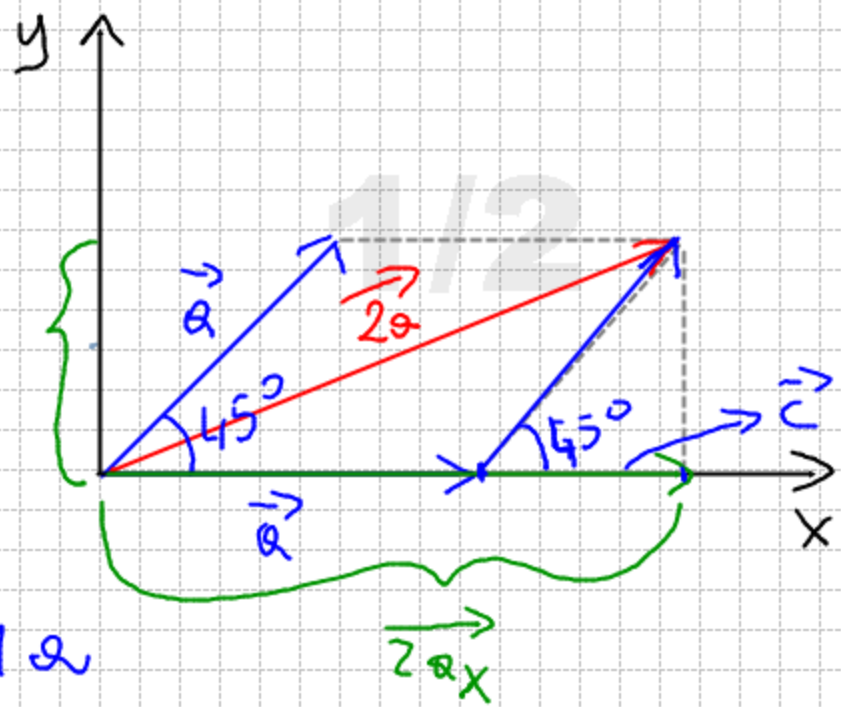
$$(2a)_x = a + 0,71a = 1,71a$$

$$\vec{2a}_x = +1,71\vec{a}$$

$$2a_y = a_y = a \sin 45 = 0,71a$$

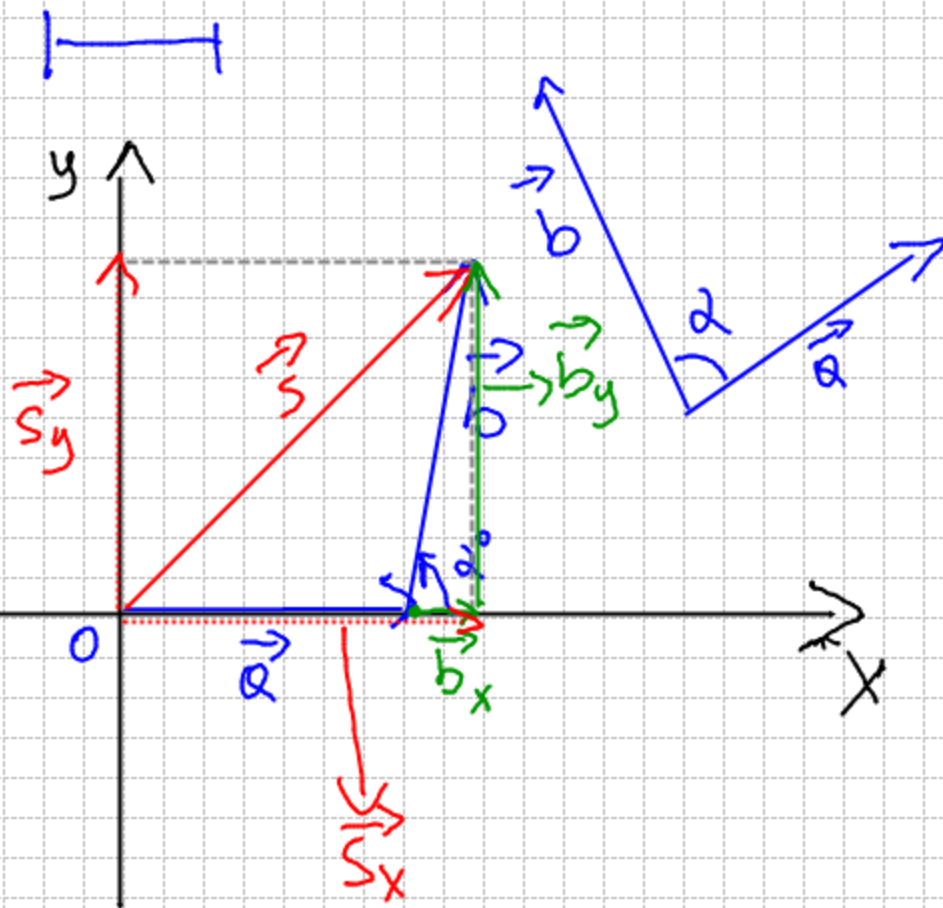
$$\vec{2a}_y = \vec{a}_y = +0,71\vec{a}$$

$$2a = \sqrt{(2a)_x^2 + (2a)_y^2} = \sqrt{2,91a^2 + 0,5a^2} = \sqrt{3,41a^2} = 1,85a$$



ESEMPIO

$$\vec{s} = \vec{a} + \vec{b}$$



$$b_x = b \cos \alpha$$

$$b_y = b \sin \alpha$$

$$s_x = a + b_x$$

$$s_y = b_y$$

$$s = \sqrt{s_x^2 + s_y^2}$$

