

$$y = -x + 2, m = -1$$

if m is the slope of a line which makes an angles 60° with the above line, then:

$$\tan 60 = \left| \frac{\mathbf{m} - \mathbf{m}}{1 + \mathbf{m} \mathbf{m}} \right|$$

$$\sqrt{3} = \left| \frac{m+1}{1-m} \right|$$

$$3(1-m)^2 = (m+1)^2$$

$$2m^2 - 8m + 2 = 0$$

$$m = 2 \pm \sqrt{3}$$

The equation of the two sides passing through (2, 3) are

$$y-3 = (2+\sqrt{3})(x-2)$$

&
$$y-3 = (2-\sqrt{3})(x-2)$$