

# Gamão Trigonométrico (resolução)

## SENO

	$\text{Sen}(y) = 13/26$ $\text{Sen}(y) = 1/2$ $y = 30^\circ$
	$\text{Sen}(60^\circ) = 2/x$ $\sqrt{3}/2 = 2/x$ $x = 4/\sqrt{3}$ <p>Racionalizando <math>x = (4\sqrt{3})/3</math></p>
	$\text{Sen}(45^\circ) = y/6$ $\sqrt{2}/2 = y/6$ $y = 3\sqrt{2}$

## COSSENO

	$\text{Cos}(45^\circ) = x/20$ $\sqrt{2}/2 = x/20$ $x = 10\sqrt{2}$
	$\text{Cos}(60^\circ) = 13/y$ $1/2 = 13/y$ $y = 26$
	$\text{Cos}(y) = 9\sqrt{3}/18$ $\text{Cos}(y) = \sqrt{3}/2$ $y = 30^\circ$

## TANGENTE

	$\text{Tg}(45^\circ) = x/15$ $1 = x/15$ $x = 15$
	$\text{Tg}(60^\circ) = 12/y$ $\sqrt{3} = 12/y$ $y = 12/\sqrt{3}$ <p>Racionalizando <math>x = (12\sqrt{3})/3</math></p>
	$\text{Tg}(\gamma) = 5\sqrt{3}/15$ $\text{Tg}(\gamma) = \sqrt{3}/3$ $\gamma = 30^\circ$

## MISTO (SENO, COSSENO, TANGENTE)

	$\text{Sen}(30^\circ) = 9/y$ $1/2 = 9/y \quad y = 18$ <p>ou</p> $\text{Tg}(30^\circ) = 9/x$ $\sqrt{3}/3 = 9/x \quad x = (27\sqrt{3})/3$
	$\text{Cos}(\beta) = 3/6$ $\text{Cos}(\beta) = 1/2$ $\beta = 60^\circ$ <p>ou:</p> $\text{Sen}(60^\circ) = y/6$ $\sqrt{3}/2 = y/6 \quad y = 3\sqrt{3}$
	$\text{Tg}(\alpha) = 3/3$ $\text{Tg}(\alpha) = 1 \quad \alpha = 45^\circ$ <p>ou:</p> $\text{Sen}(45^\circ) = 3/x$ $\sqrt{2}/2 = 3/x \quad x = 3\sqrt{2}$