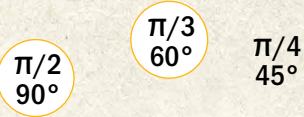


Values of Special Angles from 0° to 90°

THE "HAND" METHOD

Instructions



$\frac{\pi}{6}$
 30°

$$\cos = \frac{\sqrt{\text{top fingers}}}{2}$$

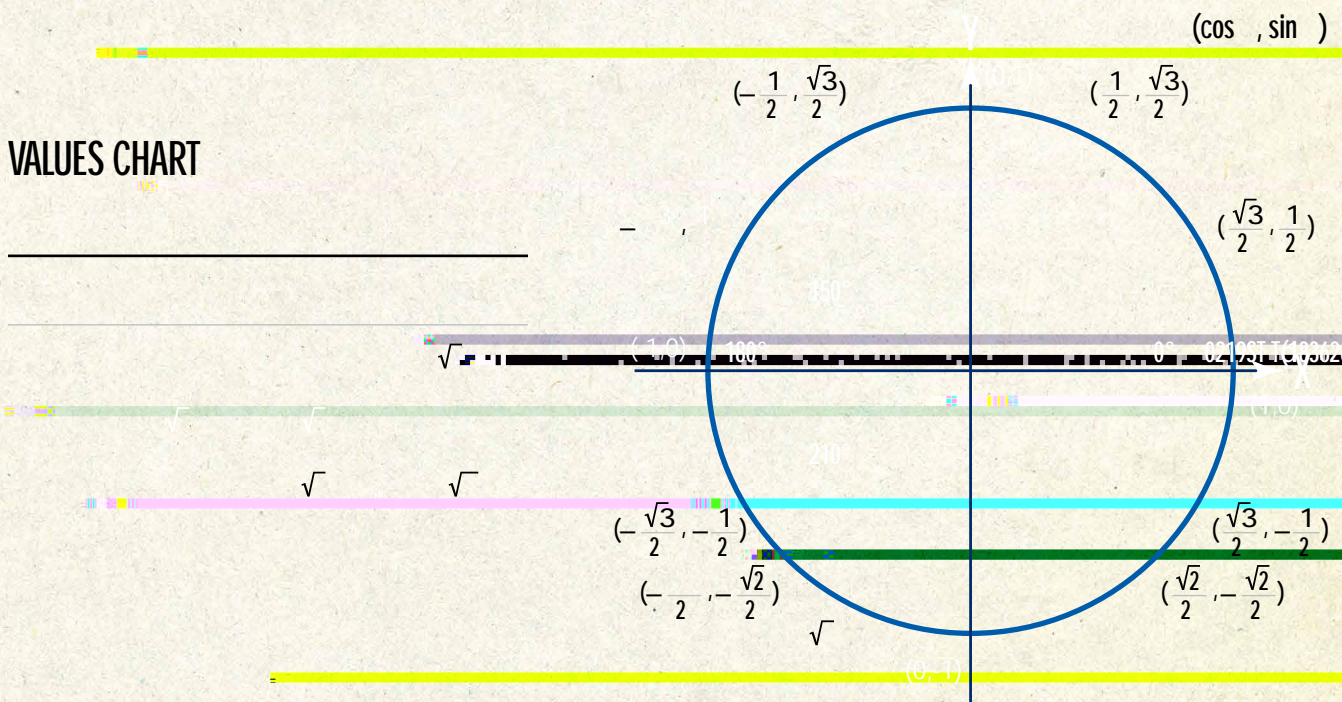
$$\sin = \frac{\sqrt{\text{bottom fingers}}}{2}$$

$$\tan = \frac{\sqrt{\text{bottom fingers}}}{\sqrt{\text{top fingers}}}$$

0°

UNIT CIRCLE

VALUES CHART



ANGLE MEASUREMENT AND ALGEBRAIC FORMULAS

Slope:

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

Distance:

Line:

$$y = mx + b$$
$$y - y_1 = m(x - x_1)$$

Quadratic Formula:

Special Polynomials:

IDENTITIES

Right Triangle Definitions, where $0 < \theta < \pi/2$:

FORMULAS

Tangent and Cotangent Identities:

$$\cot \theta =$$

Reciprocal Identities:

$$\sin \theta =$$

$$\cos \theta =$$

$$\tan \theta =$$

CONICS