

INKMATHS FLASHCARDS

Exact trig values

14 cards · fronts and backs

Print double-sided, flipping on the long edge, and each answer lands behind its question. Cut along the card borders.

Definitions in precise wording, the standard results the formulae booklet does not print, a check-yourself question per topic, and the slips that lose marks. The same cards run on the website with spaced-repetition scheduling, at inkphysics.co.uk/maths/flashcards.

STANDARD RESULT

Exact value:

$\sin 30^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\cos 30^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\tan 30^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\sin 45^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\cos 45^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\tan 45^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\sin 60^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\cos 60^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

$$\cos 30^\circ = (\sqrt{3})/(2)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\sin 30^\circ = (1)/(2)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\sin 45^\circ = (1)/(\sqrt{2}) = (\sqrt{2})/(2)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\tan 30^\circ = (1)/(\sqrt{3}) = (\sqrt{3})/(3)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\tan 45^\circ = 1$$

EXACT TRIG VALUES

STANDARD RESULT

$$\cos 45^\circ = (1)/(\sqrt{2}) = (\sqrt{2})/(2)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\cos 60^\circ = (1)/(2)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\sin 60^\circ = (\sqrt{3})/(2)$$

EXACT TRIG VALUES

STANDARD RESULT

Exact value:

$\tan 60^\circ = ?$

EXACT TRIG VALUES

STANDARD RESULT

Degrees to radians:

$30^\circ = ? \text{ rad}$

EXACT TRIG VALUES

STANDARD RESULT

Degrees to radians:

$45^\circ = ? \text{ rad}$

EXACT TRIG VALUES

STANDARD RESULT

Degrees to radians:

$60^\circ = ? \text{ rad}$

EXACT TRIG VALUES

STANDARD RESULT

Degrees to radians:

$90^\circ = ? \text{ rad}$

EXACT TRIG VALUES

CHECK YOURSELF

Without a calculator, state the exact value of $\cos 30^\circ \times \tan 60^\circ$.

EXACT TRIG VALUES

STANDARD RESULT

$$30^\circ = (\pi)/(6)$$

EXACT TRIG VALUES

STANDARD RESULT

$$\tan 60^\circ = \sqrt{3}$$

EXACT TRIG VALUES

STANDARD RESULT

$$60^\circ = (\pi)/(3)$$

EXACT TRIG VALUES

STANDARD RESULT

$$45^\circ = (\pi)/(4)$$

EXACT TRIG VALUES

CHECK YOURSELF

$\cos 30^\circ = \sqrt{3}/2$ and $\tan 60^\circ = \sqrt{3}$, so the product is $3/2$.

EXACT TRIG VALUES

STANDARD RESULT

$$90^\circ = (\pi)/(2)$$

EXACT TRIG VALUES