

WHY DID PYTHAGORAS PLANT A FLOWER IN A CYLINDRICAL POT AND PLACE IT ON THE TOP SHELF, BUT PUT EMPTY CUBICAL POTS ON A LOWER SHELF?

Find the quadrant in which the angle is located and then sketch a diagram of the angle. Then find the required trig values and match with a value below.

$-90^\circ < \vartheta < 90^\circ$	$\sin(\vartheta) = \frac{\sqrt{3}}{2}$	1) $\cos(\vartheta) =$	2) $\tan(\vartheta) =$
	3) $\csc(\vartheta) =$	4) $\sec(\vartheta) =$	5) $\cot(\vartheta) =$
$0^\circ < \alpha < 180^\circ$	6) $\sin(\alpha) =$	$\cos(\alpha) = -\frac{3}{5}$	7) $\tan(\alpha) =$
	8) $\csc(\alpha) =$	9) $\sec(\alpha) =$	10) $\cot(\alpha) =$
$90^\circ < \theta < 270^\circ$	11) $\sin(\theta) =$	12) $\cos(\theta) =$	13) $\tan(\theta) =$
	$\csc(\theta) = -4$	14) $\sec(\theta) =$	15) $\cot(\theta) =$
$180^\circ < \beta < 360^\circ$	16) $\sin(\beta) =$	17) $\cos(\beta) =$	$\tan(\beta) = -\frac{5}{12}$
	18) $\csc(\beta) =$	19) $\sec(\beta) =$	20) $\cot(\beta) =$

Values

A. $-\frac{3}{4}$	B. $\frac{3}{4}$	C. $\frac{3}{5}$	D. $-\frac{12}{5}$	E. $\frac{2\sqrt{3}}{3}$	F. $-\frac{1}{4}$	G. $-\frac{4\sqrt{15}}{15}$	H. $\frac{\sqrt{15}}{15}$
H. $\frac{13}{12}$	I. $-\frac{4}{3}$	N. $\frac{\sqrt{3}}{3}$	O. $-\frac{5}{3}$	O. $-\frac{5}{13}$	P. $\sqrt{3}$	Q. $\sqrt{15}$	R. 2
S. $\frac{1}{2}$	T. $\frac{5}{4}$	T. $\frac{12}{13}$	U. $-\frac{13}{5}$	V. $-\frac{\sqrt{15}}{4}$	W. $\frac{4}{5}$	X. $-\frac{\sqrt{3}}{3}$	Y. $\frac{\sqrt{7}}{3}$

19	3

20	7	20	5

8

6	10	5	8

8	19	3

19	7	14	19

2	16	17

7	5

18	1	11

8	9

13	10	12	3

1	15	18	10	4	11

4	16	9	17	1