

Trigonometry 4.3

Give the measure of θ within the indicated range of angle measures in the proper form.

$\sin \theta = 1/2$	$\cos \theta = \sqrt{2}/2$	$\sin \theta = \sqrt{3}/2$	$\cos \theta = 1/2$
1) Give θ in degrees for $0^\circ \leq \theta \leq 90^\circ$.	2) Give θ in degrees for $0^\circ \leq \theta \leq 90^\circ$.	3) Give θ in radians for $0 \text{ rad} \leq \theta \leq \pi/2 \text{ rad}$.	4) Give θ in degrees for $0^\circ \leq \theta \leq 90^\circ$.
5) Give θ in radians for $0 \text{ rad} \leq \theta \leq \pi/2 \text{ rad}$.	6) Give θ in radians for $0 \text{ rad} \leq \theta \leq \pi/2 \text{ rad}$.	7) Give θ in degrees for $0^\circ \leq \theta \leq 90^\circ$.	8) Give θ in radians for $0 \text{ rad} \leq \theta \leq \pi/2 \text{ rad}$.
9) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.	10) Give θ in degrees for $270^\circ \leq \theta \leq 360^\circ$.	11) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.	12) Give θ in radians for $3\pi/2 \text{ rad} \leq \theta \leq 2\pi \text{ rad}$.
13) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.	14) Give θ in radians for $3\pi/2 \text{ rad} \leq \theta \leq 2\pi \text{ rad}$.	15) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.	16) Give θ in degrees for $270^\circ \leq \theta \leq 360^\circ$.

$\cos \theta = -\sqrt{3}/2$	$\sin \theta = -\sqrt{3}/2$	$\cos \theta = -\sqrt{2}/2$	$\cos \theta = -1/2$
17) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.	18) Give θ in degrees for $180^\circ \leq \theta \leq 270^\circ$.	19) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.	20) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.
21) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.	22) Give θ in radians for $\pi \text{ rad} \leq \theta \leq 3\pi/2 \text{ rad}$.	23) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.	24) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.
25) Give θ in degrees for $180^\circ \leq \theta \leq 270^\circ$.	26) Give θ in degrees for $3\pi/2 \text{ rad} \leq \theta \leq 2\pi \text{ rad}$.	27) Give θ in degrees for $180^\circ \leq \theta \leq 270^\circ$.	28) Give θ in radians for $3\pi/2 \text{ rad} \leq \theta \leq 2\pi \text{ rad}$.
29) Give θ in radians for $\pi \text{ rad} \leq \theta \leq 3\pi/2 \text{ rad}$.	30) Give θ in radians for $270^\circ \leq \theta \leq 360^\circ$.	31) Give θ in radians for $\pi \text{ rad} \leq \theta \leq 3\pi/2 \text{ rad}$.	32) Give θ in degrees for $270^\circ \leq \theta \leq 360^\circ$.

$\tan \theta = \sqrt{3}$	$\tan \theta = 1$	$\tan \theta = -1$	$\tan \theta = -\sqrt{3}/3$
33) Give θ in degrees for $0^\circ \leq \theta \leq 90^\circ$.	34) Give θ in degrees for $0^\circ \leq \theta \leq 90^\circ$.	35) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.	36) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.
37) Give θ in radians for $0 \text{ rad} \leq \theta \leq \pi/2 \text{ rad}$.	38) Give θ in radians for $0 \text{ rad} \leq \theta \leq \pi/2 \text{ rad}$.	39) Give θ in radians for $\pi/2 \text{ rad} \leq \theta \leq \pi \text{ rad}$.	40) Give θ in degrees for $90^\circ \leq \theta \leq 180^\circ$.
41) Give θ in degrees for $180^\circ \leq \theta \leq 270^\circ$.	42) Give θ in radians for $\pi \text{ rad} \leq \theta \leq 3\pi/2 \text{ rad}$.	43) Give θ in radians for $3\pi/2 \text{ rad} \leq \theta \leq 2\pi \text{ rad}$.	44) Give θ in degrees for $270^\circ \leq \theta \leq 360^\circ$.
45) Give θ in radians for $\pi \text{ rad} \leq \theta \leq 3\pi/2 \text{ rad}$.	46) Give θ in degrees for $180^\circ \leq \theta \leq 270^\circ$.	47) Give θ in degrees for $270^\circ \leq \theta \leq 360^\circ$.	48) Give θ in radians for $3\pi/2 \text{ rad} \leq \theta \leq 2\pi \text{ rad}$.

