Find all possible solution for the equation $\cos 3 x=(1 / 2)$
$3 x=\arccos (1 / 2)$
and since $\arccos (1 / 2)=60$ degrees
$3 x=60$ degrees
and solving for "x"
$x=20$ degrees

Or, if you want to represent it in radians, then
$x=20$ * $(\mathrm{pi} / 180)$
$x=p i / 9$

NOTE further that t hat the cosine of an angle is positive in the first and fourth quadrants. Technically, you will have 2 values for " $x$ " which are:
$x=20$ deg $=$ pi/9 (located in the first quadrant)
and
$x=270+20=290$ degrees
or
$x=(3 p i / 2)+p i / 9=(27 p i+2 p i) / 18$
$x=29 \mathrm{pi} / 18$

