Conversion Factors

1 meter = 39.37 in (meter is abbreviated m)
1 foot = 12 in
1 in = 2.54 cm

1 mile = 1.609 km
1 statute mile=5280 feet (this is the normal kind of mile, it would be abbreviated mi, NOT m)
1 nautical mile= 6080 feet
1 nautical mile= 1.853 km

1 m = 100 cm
1 km = 1000 m

1 µ = 10^{-6} m (the symbol µ, like m in the Greek alphabet, stands for micron unit, it means 1/10^6, one millionth)
1 nm = 10^{-9} m
1 Å = 10^{-8} cm=10^{-10} m (the symbol Å stands for Ångstrom units)

1 AU = 1.496x10^8 km (AU stands for Astronomical Unit, the average distance from the Earth to the Sun)
1 ly = 9.46x10^{12} km (ly stands for light year, the distance that light would travel in a year)
1 pc = 3.26 ly

1 pc = 3.0857 x10^{13} km
(pc stands for parsec, the distance at which parallax shift due to the observer moving by 1 AU is one second of arc)
1 kpc = 10^3 pc
1 Mpc = 10^6 pc