Prefixes and conversions

What are the positive and negative prefixes with their symbols (be careful using capital or lower case letters for the symbols and you can use "u" for micro)

Power 10	Prefix	Symbol	Power 10	Prefix	Symbol
$\times 10^{1}$			$\times 10^{-1}$		
$\times 10^{2}$			$\times 10^{-2}$		
$\times 10^{3}$			$\times 10^{-3}$		
$\times 10^{6}$			$\times 10^{-6}$		
$\times 10^{9}$			$\times 10^{-9}$		
$\times 10^{12}$			$\times 10^{-12}$		
$\times 10^{15}$			$\times 10^{-15}$		
$\times 10^{18}$			$\times 10^{-18}$		

Convert from one prefix to the standard unit "m" (give the answer with and without the power 10)

Ex : 3 cm = 3 x 10^-2 m = 0.03 m

1) 2 mm = m = m

2) 53 Gm = m = m

3) 27 um = m = m

4) 8 km = m = m

5) 16.6 dm = m = m

Convert from one prefix to another (give the answer with and without the power 10)

Ex : 15 hm = 15 x 10^4 cm = 150000 cm

1) 2 nm = mm = mm

2) 3 km = cm = cm

3) 47 pm = nm = nm

4) 305 dam = Mm = Mm

5) 123.45 Gm = Pm = Pm

LIVEWORKSHEETS

LIVEWORKSHEETS