

1- Write Fortran expressions for each of the following

Algebraic Expressions	Fortran Expressions
$(-c + b)^2 d$	
$\sqrt{\frac{2\mu(E + v)}{h^2}}$	
$F\left(\frac{\lambda - 1}{\rho} - \frac{l(l+1)}{\rho^2}\right)$	
$(E^{3T} + T^2 \sin 4T) \cos^2 3T$	
$\frac{1 - E^{-A\sqrt{X}}}{1 + XE^{- X }}$	

2- Write F.P. to print value of Z from the following equations:

$$Z = a^2 - 2b - 5 \quad a > b$$

$$Z = a^3 - 3b + 10 \quad \text{other wise}$$