Rationalie: (122)

3) 
$$d_{nk1} = \frac{\alpha}{\sqrt{h^2+k^2+1^2}} = 1.125 = \frac{9}{\sqrt{14}} = 0$$
  $a = \sqrt{4} \times 1.125 \stackrel{?}{A}$ 

$$a = 4.21 \text{ Å}$$
 $Vol. = a^3 = 3$ 

$$=$$
  $R = \frac{9}{2} = 3 \mathring{A}$ 



=) 
$$R = \frac{\sqrt{2} d}{4}$$
  
=  $\frac{\sqrt{2}}{4} \times k^{\frac{3}{2}} = \frac{3\sqrt{2}}{2} \hat{A}$ 

$$\beta = m_{P} v$$

$$\xi = \frac{1}{2} m_{P} v^{2} = 0$$

$$\beta = \sqrt{2m_{E}}$$

$$\gamma = \frac{h}{2m_{E}} = \frac{h^{2}}{2m_{E} \lambda^{2}} \text{ in Jonds.}$$