3.1 Side 316" 
$$D_0 = 4N(\frac{d}{2})$$
  $D_0 = 20dB = 10^2 = 100$ 

$$d = \frac{2}{4}$$

$$100 = 4N \left(\frac{2}{7}\right) \Leftrightarrow N = 100$$

b) 
$$L = 99. d = 99. \frac{\lambda}{4} = 24.75. \lambda$$

C) 
$$\mu p = 2 \cdot \cos^{3}(1 - \frac{1.391 \cdot \lambda}{\pi Nd}) = 2 \cdot \cos^{3}(1 - \frac{1.391 \cdot \lambda}{\pi N \cdot \lambda / 4}) = 2 \cdot \cos^{3}(1 - \frac{5.564}{\pi N \cdot \lambda / 4}) = 2 \cdot \cos^$$