

Answers

Calculus week 5

1.1 $\lambda = 796 \text{ nm}$

1.2 $|\Delta\lambda| = 6.6 \text{ nm}$

2.2 $F_P = 5$

2.3 $F_P = 28, \tau_{R, \text{cavity}} = 0.05 \text{ ns}$

3.1 $d = 2 \text{ cm}$

3.2 $\delta\nu = 0.001 \text{ cm}^{-1}$

4 Number of modes = 450