

pg. 339 # 89, 90, 95, 96 + worksheet

89.  $A = Pe^{rt}$

$$A) 5,250e^{(.0638 \cdot 6.25)} = 7,822.30$$

$$B) 5,250e^{(.0638 \cdot 17)} = 15,530.85$$

90. A)  $7,500e^{(.0535 \cdot 5.5)} = 10,065.90$

$$B) 7,500e^{(.0535 \cdot 12)} = 14,252.08$$

95.  $30,000 = Pe^{.06 \cdot 10}$

$$30,000 = 1.82P \quad \leftarrow \text{use ANS}$$

$$= 16,464.35$$

96.  $50,000 = Pe^{.05 \cdot 5.5}$

$$50,000 = 1.32P$$

$$P = 37,978.61$$