

## Test Review: #2

- Example 1:  $r = 37.5\%$
- Example 2:  $r = 15.66\%$
- #1: a)  $A = 20(1 - 0.005)^t$   
b)  $A = 350(6)^{t/25}$   
c)  $A = 1200\left(\frac{1500}{1200}\right)^{t/13}$
- #2: a) 1634      b) Feb 2060
- #3: a) \$1120.34      b) 40 years
- #4:  $r = 26\%$
- #5: a)  $A = 120\left(\frac{89}{120}\right)^{t/45}$       b) 10.627  
c) 209 days      d)  $r = 0.66\%$
- #6: 2:35 pm
- #7: a)  $y = 98.9851(1.0453)^x$   
b) SSE = 7692.04, Avg. Error = 39.22  
c) 582.03      d) 52 yrs later      e)  $r = 4.53\%$
- #8: 16.19%