

Statistics – OR 155, Section 1, Homework # 14

“Suggested” HW assignment

7.81, 7.82

C24: Fred keeps his savings in his mattress. He begins with \$500 from his mother, and adds \$100 each year. His total savings y , after x years are given by the equation:

$$y = 500 + 100x$$

- (a) Draw a graph of this equation.
- (b) After 20 years, how much will Fred have? (\$2500)
- (c) If Fred adds \$200 instead of \$100 each year to his initial \$500, what is the equation that describes his savings after x years? ($y = 500 + 200x$)

2.59