

Unit 2 Assessment
Quiz 6: Sections 2.3–25
Answer Key

1. a. 2.924

b. $x = 3.245$

c. C

2. $\left[\frac{1}{3}, \frac{5}{3}\right]$

3. Tim = $5y + 70$

Lisa = $1.43y + 57.143$
(in the year 2000)

$$5y + 70 = 2(1.43y + 57.143)$$

$y = 20.7$ years from 2000, so the answer is in the year **2021**