

2.4 day 2 HW

Monday, October 5, 2015
10:10 AM

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6. $(50, 4174)$ $(60, 4634)$

$$m = \frac{460}{10} = 46$$

a. $C - 4634 = 46(x - 60)$

b. Every racquet costs \$46 to manufacture

c. \$46 more to manufacture

8. a. For a 1 inch increase in DBH, the tree height increases 2.27 feet.

b. Same as a

c. $h = 2.27 \cdot 12 + 33.1 = 60.34 \rightarrow 60$ feet

d. $100 = 2.27 \cdot d + 33.1$

$$d = 29.47 \rightarrow 29 \text{ inches}$$

14. a. $t = -0.5t + 21$

b. The year 2022

19. a. $T = -5A + 70$

b. 14000 feet

23. a. plot

$$b. \quad y = 0.72 \cdot 1.3 + 0.03 = 0.966 \text{ MLN}$$

$$c. \quad y = 0.72 \cdot 1.8 + 0.03 = 1.326 \text{ MLN}$$