

SM3H 4.3 odd answers

1. $x = 3$ in

3. $x \approx 1.21$ in

5. youngest = 9 years old, middle = 10 years old, oldest = 12 years old

7. 75%

9. 1250 gallons per minute

11. doesn't cross x -axis so never reaches 128 feet

13. $V(r) = \frac{2}{3}\pi r^3$

15. $A(t) = 4000\pi t$

17. $\$50 + \$20x \leq \$210$
 $x \leq 8$ lessons

19. 12 in, 24 in, 24 in