

SM2 unit 7B test review answers

1c. 162 feet

1d. 198 feet

1e. 7.02 seconds

2. $[-8, 9]$

3. $(-\infty, 0) \cup (7, \infty)$

4. $(-\infty, -10] \cup [10, \infty)$

5. $(-7, -1)$

6. $(-\infty, 2] \cup [12, \infty)$

7. $(-3, 9)$

8. $y = \frac{1}{2}(x - 4)^2 + 3$

9. $y = -3(x + 1)(x - 3)$

10. $y = -(x + 2)^2 + 5$

11. $y = \frac{1}{4}(x - 1)(x + 5)$