You Can Chapter 5 Answer Key

Graphing

1. Axis of Symmetry: x=3

Vertex: (3, 9)

Opens: Down

1. Axis of Symmetry: x= -1

Vertex: (-1, 1)

Opens: Down

1. Axis of Symmetry: x=2

Vertex: (2, -8)

Opens: Down

1. (1, 1), (2, 7), (3, 9), (4, 7), (5, 1)
2. (-3, -11), (-2, -2), (-1, 1), (0, -2), (1, -11)
3. (0, -12), (1, -9), (2, -8), (3, -9), (4, -12)
4. Minimum; 11; Domain: All Reals; Range: 
5. Minimum; -23; Domain: All Reals; Range: 
6. Maximum; 9; Domain: All Reals; Range: 
7. -1 and 1
8. 1 and 2
9. No Solution
10. Vertex: ; Axis of Symmetry: x = -3; Opens up
11. Vertex: ; Axis of Symmetry: x = 2: Opens Down
12. Vertex: ; Axis of Symmetry: x = -5; Opens Up
13. 
14. 
15. 
16. 
17. 
18. 
19. 3.0 Seconds

Chapter 5.8 p 298: #1-4 All

1. Solid boundary curve going through, Shaded inside the parabola.
2. Dashed boundary curve going through, Shaded outside the parabola.
3. Dashed boundary curve going through, Shaded outside the parabola.
4. Solid boundary curve going through , shaded inside the parabola.

Chapter 5 You Can Sheet – Algebraic Methods

1. X = 8 & x = -4
2. X = - 1
3. X = -11 & x = 2
4. & x = 0
5. & x = 4
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 
14. 
15. 
16. 
17. , one real rational root
18. , 2 complex roots
19. , 2 real irrational roots
20. seconds
21. feet or feet
22. Width = 8 feet, Length = 16 feet