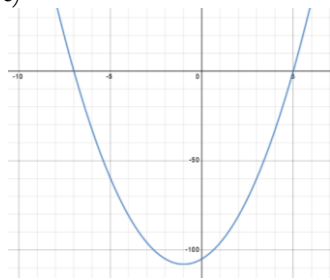
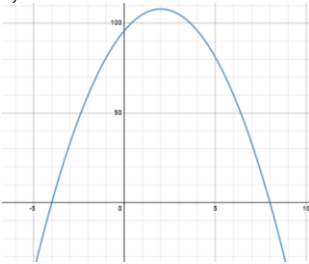


Answer Key

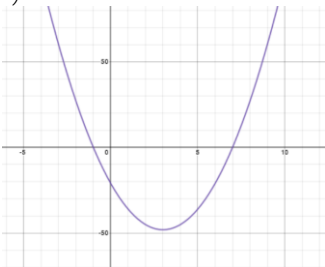
1. -6, 9
2. 3.6, 1.08
3. 4, $(2x - 3)^2$
4. 24, $(3x + 4)^2$
5. 25, $(4x - 5)^2$
6. a) 3, 5, -7
b) 5, -7; -1
c) U, -1, -108
d) 3, -1, -108
e)



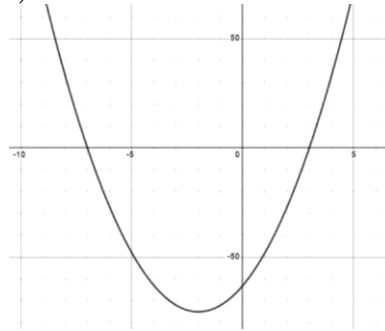
7. a) -3, 8, -4
b) 8, -4; 2
c) D, 2, 108
d) -3, 2, 108
e)



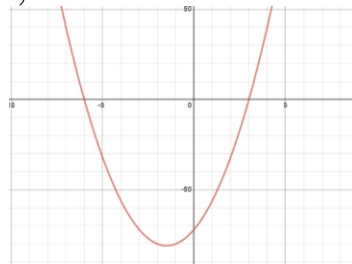
8. a) 3, -1, 7
b) -1, 7; 3
c) U, 3, -48
d) 3, 3, -48
e)



9. a) 3, 3, -7
b) 3, -7; -2
c) U, -2, -75
d) 3, -2, -75
e)



10. a) 4, 3, -6
b) 3, -6; -1.5
c) U, -1.5, -81
d) 4, -1.5, -81
e)



11. 63, 42, 22
12. 10, 14, -9
13. 32, -80, 17
14. 1, 1.6, -31
15. 3, -2.4, 25
16. 3, -42, 14
17. 48, 168, 16
18. 16, 48, 10
19. 5, -2, 4
20. 8, 16, 7
21. slope(L₁) = 1/3
22. slope(L₂) = 1/2
23. slope(L₃) = 3/2
24. slope(L₄) = 3
25. slope = 2
26. slope = -1
27. slope = -10
28. slope = 14/9
29. slope = 3/8

MAP 280 (T2) Issue 6

- | | |
|--------------------------|--------------------|
| 30. slope = 1 | 51. 0.0625 |
| 31. slope = -1 | 52. 0.064 |
| 32. C | 53. 0.8 |
| 33. D | 54. 0.4096 |
| 34. A | 55. 0.8 |
| 35. B | 56. 0.512 |
| 36. A | 57. 0.09 |
| 37. B | 58. 0.0081 |
| 38. $\frac{3}{2}$ | 59. 0.3 |
| 39. $-\frac{2}{3}$ | 60. 0.027 |
| 40. $\frac{1}{4}$ | 61. 25 |
| 41. (17, -21) | 62. 97.5 |
| 42. (-4, 3) | 63. 153 |
| 43. (-1, 2) | 64. $\sqrt{10}$ |
| 44. $(\frac{7}{2}, -2)$ | 65. $2.5\sqrt{13}$ |
| 45. $(\frac{20}{3}, -3)$ | 66. $5\sqrt{17}$ |
| 46. $6\sqrt{2}$ | 67. $7.5\sqrt{2}$ |
| 47. $8\sqrt{3}$ | 68. $9\sqrt{26}$ |
| 48. $12\sqrt{3}$ | 69. $\sqrt{34}$ |
| 49. $9\sqrt{6}$ | 70. $2.5\sqrt{41}$ |
| 50. $9\sqrt{10}$ | |