AFM Final Exam Review S13 Answer Key

1. d
2. b
3. b
4. 

domain (-and

range [6] [7,

1. 

20 shirts = $180, 40 shirts = $338.75

1. b
2. d
3. b
4. b
5. a
6. d
7. c
8. b
9. b
10. a) not possible (if base can’t be negative, -64 otherwise)

 b) 22

 c) .7993

1. c
2. d
3. c
4. d
5. y = 29000(.86)5; $13,642.38
6. 1929
7. c
8. a
9. b
10. d
11. b
12. c
13. a
14. d
15. 4, 4, 8, 12, 20, 32
16. d
17. c
18. b
19. a
20. b
21. a
22. 325.5 miles
23. 1.2 km
24. c
25. a
26. 48πft/min
27. d
28. c
29. 
30. b
31. b
32. d
33. b
34. b
35. a
36. d
37. c
38. a
39. 1/34
40. 7/13
41. d
42. c
43. c
44. c, no
45. d
46. a
47. d
48. a)50, b) 10s, 40s c) 10000ft d) , *a* is half the downward acceleration due to gravity (on Earth, *a* is -16 ft/ss), *v0* is the initial upward velocity of the object in meters per second or feet per second so the initial upward velocity is 800 ft/sec, and *s0* is the initial height of the object in meters or feet, which is 0.
49. d
50. a) y=5/3x+17, b) slope – 5 new chans every 3 years, c) 45ish channels, extrapolation
51. y=2.4x + 9
52. quartic