

**Algebra 2**  
**Section 10.1 p663 E-Learning**

**Name** \_\_\_\_\_

1.	2.	3.	4.
5. Do not graph!		6. Do not graph!	
7. Do not graph!		8. Do not graph!	
9. Find the equation and then use it to answer a and b.			
10.	11.	12.	13.
14. Do not graph!		15. Do not graph!	
16. Do not graph!		17. Do not graph!	
18.	19.	20.	

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Name: KEY

1. yes, $d = -10$	2. yes, $d = 7$	3. no	4. no
5. 42, 54, 66, 78		6. -12, -21, -30, -39	
7. 5, 13, 21, 29		8. -47, -54, -61, -68	
9. a. \$850 b. 24 weeks			
10. no	11. yes, $r = 3$	12. yes, $r = \frac{1}{3}$	13. no
14. 40.5, 60.75, 91.125		15. 128, 256, 512	
16. $\frac{2}{5}, \frac{2}{25}, \frac{2}{125}$		17. $\frac{1}{9}, \frac{-1}{27}, \frac{1}{81}$	
18. Neither; there is no common difference or ratio	19. Geometric ; $r = -\frac{1}{2}$		20. Arithmetic ; $d = 4$