

6.5 – 6.7 Test Review Key without Work for Calc sections

1. $x = 3$

2. $x = 5$

3. $x = -5$

4. $x = -4$

5. $x = -3$

6. $x = \frac{5}{4}$

7. $r = 3$

8. $r = -\frac{1}{6}$

9. arithmetic, $d = 8$

10. neither, no common ratio or common difference

11. $r = 4$; 1280, 5120, 20,480

12. $r = -\frac{1}{3}$; $1, -\frac{1}{3}, \frac{1}{9}$

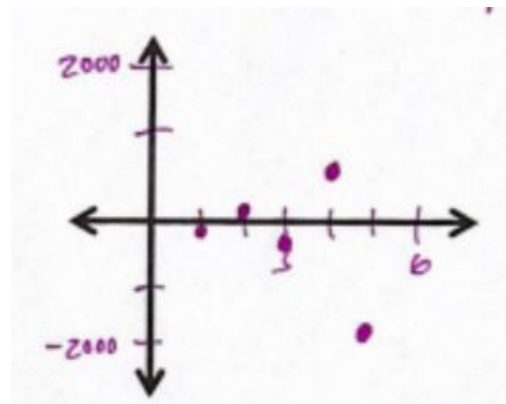
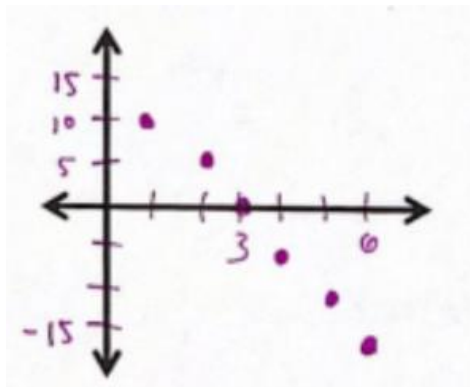
13. $a_n = 32 \left(\frac{1}{4}\right)^{n-1}$, $a_6 = 0.03125$ or $\frac{1}{32}$

14. $a_n = 0.6(-5)^{n-1}$, $a_6 = -1875$

15. arithmetic

16. 10, 5, 0, -5, -10, -15

17. -7, 28, -112, 448, -1792, 7168



18. $a_n = a_{n-1} + 8$

19. $a_n = a_{n-1} - 11$

20. $a_n = -12n + 20$, arithmetic

21. $a_n = 5(-5)^{n-1}$, geometric

22. $a_n = a_{n-1} + 6$