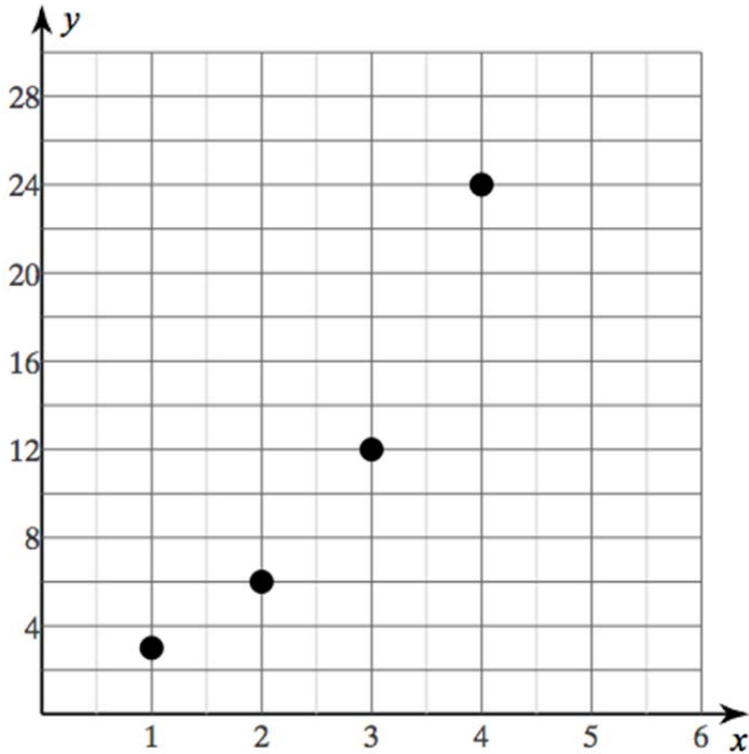


6.1 Sequences

Name: _____

Corrective Assignment

USE THE GRAPH BELOW TO ANSWER QUESTIONS #1 - 5.



- 1) Write the first six terms of the sequence.

- 2) Describe how you go from one term of the sequence to the next.

- 3) Find S_7 .

- 4) Find $S(10)$

- 5) Describe how the graph changes from one term to the next.

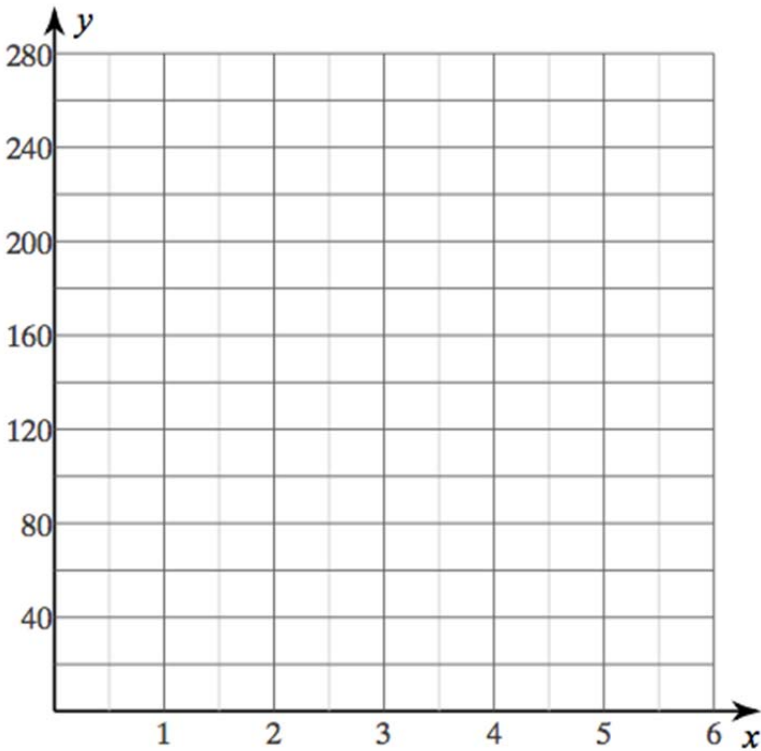
USE THE FOLLOWING SEQUENCE FOR #6-10: Kelly's sequence: 1, 7, 13, 19

- | | | | |
|---|-------------------|---|---|
| 6) Describe how you go from one term of the sequence to the next. | 7) Find $K(12)$. | 9) Graph the terms of the sequence as an ordered pair $(n, K(n))$ on the graph ABOVE. | 10) Describe how the graph changes from one term to the next. |
| | 8) Find K_{15} | | |

USE THE FOLLOWING SEQUENCE FOR #11-15: Brust's sequence: 220, 180, 140, 100

- | | | | |
|--|--------------------|---|---|
| 11) Describe how you go from one term of the sequence to the next. | 12) Find $B(11)$. | 14) Graph the terms of the sequence as an ordered pair $(n, B(n))$ on the graph ON THE NEXT PAGE. | 15) Describe how the graph changes from one term to the next. |
| | 13) Find B_{15} | | |

USE THE FOLLOWING SEQUENCE FOR #16-20: Bean's sequence: 10, 30, 90, 270



16) Describe how you go from one term of the sequence to the next.

17) Find B_8

18) Find $B(11)$

19) Graph the terms of the sequence as an ordered pair $(n, B(n))$ on the graph.

20) Describe how the graph changes from one term to the next.

6.1 Sequences

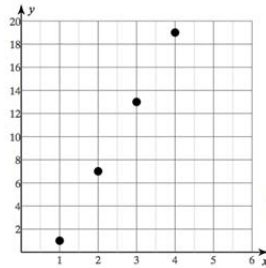
Corrective Assignment Answers

1) 3, 6, 12, 24, 48, 96 2) I multiplied the term by 2 to get the next term. 3) 192 4) 1536

5) The rate of change from one term to the next increases more and more each time. It increases slowly at first and then much bigger at the end.

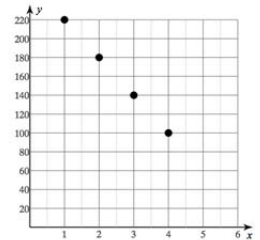
6) I added 6 to the previous term. 7) 67 8) 85 9) to the next increases at the same rate each time.

11) I subtracted 40 to the previous term.



10) The rate of change from one term

12) -180 13) -340 14)



15) The rate of change from one term to the next decreases at a constant rate each time.

16) I multiplied each term by 3 to get to the next term. 17) 21,870 18) 590,490 19)

20) The rate of change from one term to the next increases more and more each time. It increases slowly at first and then much bigger at the end.

