

1) Write the first five terms of the sequence.
$1,3,9,27,81$
2) Describe how you go from one term of the sequence to
the next.
I multiplied each term by three to get to the
next term in the sequence.

USE THE FOLLOWING SEQUENCE FOR \#6-10: Kelly's sequence: 26, 22, 18, 14,

| 6) Describe how you go from one term of the sequence to the next. I subtracted four from the previous term to get the next term in the sequence. | 7) Find K(12). $-18$ <br> 8) Find $\mathrm{K}_{15}$ $-36$ | 9) Graph the terms of the sequence as an ordered pair ( $n, K(n)$ ) on the graph ABOVE. <br> Sce | 10) Describe how the graph changes from one term to the next. <br> The rate of change goes down by four units each time. Its constant and forms a straight line on the graph. |
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USE THE FOLLOWING SEQUENCE FOR \#11-15: Brust's sequence: 20, 50, 80, 110

| 11) Describe how you go from one term of the sequence to the next. <br> I added 30 from the previous term to get to the next term in the sequence. | 12) Find <br> B(11). $320$ <br> 13) Find B15 <br> 440 | 14) Graph the terms of the sequence as an ordered pair ( $n, B(n)$ ) on the graph ON THE NEXT PAGE. <br> Marked with x 's on the next | 15) Describe how the graph changes from one term to the next. <br> The rate of change on the graph remains the same from each point to the next, going up 30 units each time. |
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