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Math worksheet on *'Number Sequences - Polynomial, First Terms (Level 1)'*. Part of a broader unit on *'Patterns and Sums - Intro'*

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1 What are the first 3 terms, starting with d = 1 in this number sequence

$3d^2 + 3$

a 12, 15, 18	**b** 9, 18, 33
c 6, 27, 84	**d** 6, 15, 30
e 0, 9, 24	**f** 9, 15, 21

2 What are the first 3 terms, starting with c = 1 in this number sequence

$c^2 + 4$

a 3, 6, 11	**b** 5, 12, 31
c 4, 16, 36	**d** 6, 8, 10
e 5, 8, 13	**f** 1, 4, 9

3 What are the first 3 terms, starting with r = 1 in this number sequence

$6r^2 + 7$

a 13, 31, 61	**b** 1, 22, 57
c 18, 36, 66	**d** 13, 34, 69
e 13, 55, 169	**f** 0, 18, 48

4 What are the first 3 terms, starting with n = 1 in this number sequence

$2n^2 + 3$

a 5, 14, 29	**b** 0, 6, 16
c 6, 12, 22	**d** 5, 11, 21
e 1, 10, 25	**f** 5, 19, 57

5 What are the first 3 terms, starting with x = 1 in this number sequence

$2x^2 + 3$

a 0, 6, 16	**b** 5, 11, 21
c 6, 12, 22	**d** 5, 19, 57
e 5, 14, 29	**f** 1, 10, 25

6 What are the first 3 terms, starting with n = 1 in this number sequence

$4n^2 + 3$

a 0, 12, 32	**b** 7, 35, 111
c -1, 8, 23	**d** 7, 16, 31
e 12, 24, 44	**f** 7, 19, 39

7 What are the first 3 terms, starting with c = 1 in this number sequence

$5c^2 + 9$

a 15, 30, 55	**b** 14, 41, 86
c 14, 29, 54	**d** 4, 31, 76
e 0, 15, 40	**f** 14, 49, 144