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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 n = 1 in this number sequence

$n^2 + 5$

a 3, 6, 11	**b** 7, 9, 11
c 6, 13, 32	**d** 1, 4, 9
e 5, 20, 45	**f** 6, 9, 14

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

$b^2 + 6$

a 1, 4, 9	**b** 7, 10, 15
c 3, 6, 11	**d** 7, 14, 33
e 6, 24, 54	**f** 8, 10, 12

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

$c^2 + 4$

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

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

$8y^2 + 8$

a 0, 24, 64	**b** 16, 72, 224
c 32, 40, 48	**d** 16, 40, 80
e 24, 40, 56	**f** 24, 48, 88

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

$d^2 + 9$

a 3, 6, 11	**b** 10, 13, 18
c 9, 36, 81	**d** 1, 4, 9
e 10, 17, 36	**f** 11, 13, 15

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

$n^2 + 2$

a 3, 10, 29	**b** 5, 6, 7
c 3, 6, 11	**d** 1, 4, 9
e 4, 6, 8	**f** 2, 8, 18

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

$9b^2 + 2$

a 27, 54, 99	**b** 0, 27, 72
c 11, 38, 83	**d** 11, 17, 27
e -7, -1, 9	**f** 11, 74, 245

