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Math worksheet on *'Number Sequences - Polynomial, First Terms (Level 2)'*. Part of a broader unit on *'Patterns and Sums - Intro'*

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

$$2 - 5z^2$$

a	-3, -38, -133
b	-3, -18, -43
c	-10, -25, -50
d	-7, -22, -47
e	-5, 10, 35
f	-7, -13, -23

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

$$5x^2 + 2x - 3$$

a	6, 19, 42	**b**	0, 13, 36
c	10, 27, 54	**d**	4, 25, 60
e	4, 21, 48	**f**	5, 11, 21

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

$$3 - 3m^2$$

a	-6, -9, -12
b	-3, 6, 21
c	0, -9, -24
d	0, -21, -78
e	-3, -9, -15
f	-6, -15, -30

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

$$7b^2 - 2b + 8$$

a	-2, 20, 58	**b**	17, 40, 77
c	13, 32, 65	**d**	-8, -4, 4
e	-4, 4, 16	**f**	13, 28, 53

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

$$8 - 4m^2$$

a	4, -24, -100
b	4, -8, -28
c	-8, -20, -40
d	-12, -24, -44
e	-12, -36, -76
f	-4, 8, 28

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

$$3r^2 - 6r + 5$$

a	2, -7, -22	**b**	14, 29, 50
c	2, 5, 14	**d**	7, 31, 67
e	-6, 3, 22	**f**	-5, 7, 31

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

$$2p^2 - 7p + 9$$

a	4, -11, -36	**b**	4, 3, 6
c	5, 33, 75	**d**	-9, 5, 33
e	-7, 13, 51	**f**	18, 31, 48

