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 r = 1 in this number sequence

$$5r^2 - 8r + 3$$

a	13, 45, 93	b	0, 7, 24
c	16, 39, 72	d	0, -9, -24
e	-3, 13, 45	f	-3, 13, 45

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

$$8z^2 - 2z + 4$$

a	10, 32, 70	b	-4, 0, 8
c	10, 28, 58	d	0, 8, 20
e	-4, 0, 8	f	14, 40, 82

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

$$2r^2 + 9r - 3$$

a	8, 23, 42	b	-10, -13, -12
c	-4, -7, -6	d	8, 41, 96
e	12, 39, 84	f	14, 29, 48

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

$$4x^2 + 6x + 7$$

a	3, 21, 47	b	5, 11, 25
c	13, 31, 61	d	17, 35, 61
e	-9, -3, 11	f	17, 47, 97

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

$$9m^2 + 4m - 3$$

a	10, 49, 114	b	10, 41, 90
c	8, 31, 72	d	7, 19, 39
e	2, 25, 66	f	16, 47, 96

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

$$4m^2 + 3m + 6$$

a	9, 18, 33	b	-5, 4, 21
c	7, 16, 33	d	1, 16, 39
e	13, 34, 69	f	13, 28, 51

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

$$2 - 8y^2$$

a	-6, -30, -70
b	-8, 16, 56
c	-6, -62, -214
d	-10, -34, -74
e	-10, -16, -26
f	-16, -40, -80