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Math worksheet on *'Number Sequences - Polynomial, First Terms (Level 3)'*. Part of a broader unit on *'Patterns and Sums - Practice'*

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

$$8 - 6r - 2r^2$$

a	-4, -4, -8	**b**	-8, -20, -44
c	-16, -28, -44	**d**	0, -24, -64
e	2, -16, -46	**f**	0, -12, -28

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

$$2d + 8 - 3d^2$$

a	-9, -16, -29	**b**	-13, -24, -41
c	7, 4, -1	**d**	7, 0, -13
e	6, 0, -10	**f**	3, -8, -25

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

$$3 - 7c - 6c^2$$

a	-3, -17, -45	**b**	-10, -35, -72
c	-2, -13, -36	**d**	-16, -41, -78
e	-10, -49, -114	**f**	-4, -25, -60

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

$$6 - 3m - 7m^2$$

a	-10, -28, -60	**b**	3, -6, -21
c	-16, -40, -78	**d**	-4, -28, -66
e	-6, -12, -24	**f**	-4, -34, -84

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

$$2c + 2 - 6c^2$$

a	-6, -26, -58	**b**	-2, -18, -46
c	0, -6, -16	**d**	-6, -22, -50
e	-10, -30, -62	**f**	-2, -14, -34

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

$$6m + 6 - 3m^2$$

a	-3, -18, -39	**b**	-15, -30, -51
c	0, -18, -48	**d**	-3, -6, -15
e	9, 6, -3	**f**	9, 18, 33

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

$$7c + 2 - 5c^2$$

a	-5, -26, -61	**b**	4, 10, 20
c	0, -8, -26	**d**	4, -4, -22
e	-14, -36, -68	**f**	-10, -32, -64