![Mobius logo]

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

Learn online: app.mobius.academy/math/units/patterns_and_sums_practice/

1

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

$$8 - 5z - 8z^2$$

a	-8, -18, -38	b	-5, -34, -79
c	-11, -30, -65	d	-21, -50, -95
e	3, -12, -37	f	-5, -44, -109

2

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

$$5 - 9m - 4m^2$$

a	-8, -29, -58	b	-18, -39, -68
c	-5, -23, -59	d	-8, -47, -112
e	0, -3, -14	f	-4, -31, -76

3

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

$$2x + 7 - 9x^2$$

a	-4, -33, -80	b	0, -21, -56
c	5, -1, -11	d	-14, -39, -82
e	-18, -47, -94	f	0, -25, -68

4

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

$$4d + 3 - 3d^2$$

a	-1, -13, -33	b	-2, -7, -18
c	4, 7, 12	d	-4, -17, -36
e	4, -1, -12	f	-10, -23, -42

5

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

$$3n + 7 - 5n^2$$

a	4, -5, -20	b	-9, -21, -43
c	-15, -33, -61	d	5, -1, -11
e	-1, -19, -47	f	5, -7, -29

6

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

$$4z + 6 - 6z^2$$

a	4, -10, -36	b	-16, -38, -72
c	-8, -22, -48	d	-4, -26, -60
e	4, -2, -12	f	2, -10, -30

7

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

$$5d + 8 - 2d^2$$

a	11, 10, 5	b	-15, -26, -41
c	1, -10, -25	d	-5, -6, -11
e	3, -12, -37	f	11, 20, 35