Name

Number Sequences Identify - Polynomial, First Terms

1 What sequence, starting with d = 1, are these the first 3 terms of?

9, 21, 39

A	B
$3d^2 + 3d + 3$	$4d^2 + 3d + 3$
C	D
$5d^2 + 3d + 3$	$2d^2 + 3d + 3$
E	F
$3d^2 + 5d + 3$	$3d^2 + 3d + 4$

2 What sequence, starting with c = 1, are these the first 3 terms of?

9, 23, 45

A	B
$4c^2 + 2c + 3$	$4c^2 + 2c + 2$
C	D
$4c^2 + 4c + 3$	$4c^2 + 2c + 4$
E	F
$4c^2 + 0c + 3$	$4c^2 + 2c + 5$

3 What sequence, starting with p = 1, are these the first 3 terms of?

-1, -13, -33

A	B	C	D	E	F
$3 - 1p^2$	$3 - 4p^2$	$2 - 4p^2$	$3 - 5p^2$	$3 - 3p^2$	$3 - 2p^2$

4 What sequence, starting with r = 1, are these the first 3 terms of?

6, 18, 34

A	B
$4r^2 + 6r - 2$	$2r^2 + 6r - 4$
C	D
$2r^2 + 7r - 2$	$0r^2 + 6r - 2$
E	F
$1r^2 + 6r - 2$	$2r^2 + 6r - 2$

5 What sequence, starting with b = 1, are these the first 3 terms of?

7, 20, 37

A	B
$3b^2 + 7b - 2$	$2b^2 + 6b - 2$
C	D
$0b^2 + 7b - 2$	$2b^2 + 7b - 2$
E	F
$4b^2 + 7b - 2$	$-1b^2 + 7b - 2$

6 What sequence, starting with z = 1, are these the first 3 terms of?

2, 17, 40

A	B
$4z^2 + 3z - 3$	$4z^2 + 1z - 5$
C	D
$4z^2 + 4z - 5$	$4z^2 + 3z - 5$
E	F
$4z^2 + 3z - 2$	$4z^2 + 3z - 6$

7 What sequence, starting with b = 1, are these the first 3 terms of?

-3, -18, -43

A	B	C	D	E	F
$3 - 5b^2$	$2 - 5b^2$	$2 - 2b^2$	$2 - 4b^2$	$4 - 5b^2$	$2 - 7b^2$

8 What sequence, starting with x = 1, are these the first 3 terms of?

0, -6, -16

A	B	C
$2 - 4x^2$	$2 - 2x^2$	$3 - 2x^2$
D	E	F
$4 - 2x^2$	$1 - 2x^2$	$2 - 0x^2$