

Exit Ticket (Linear, Quadratic, and Exponential Models)

- 1 Which kind of function best models the data in the table? Use differences or ratios.

x	y
0	-3
1	-1.5
2	0
3	1.5
4	3

- Ⓐ linear
Ⓑ quadratic
Ⓒ exponential
Ⓓ none of these

- 2 Which kind of function best models the data in the table? Use differences or ratios.

x	y
0	1.6
1	3.2
2	6.4
3	12.8
4	25.6

- Ⓐ linear
Ⓑ quadratic
Ⓒ exponential
Ⓓ none of these

- 3 Write an equation to model the data in the table.

x	y
0	4
1	2.2
2	0.4
3	-1.4
4	-3.2

- Ⓐ $y = -1.8x^2 + 4$
Ⓑ $y = -1.8 \cdot 4^x$
Ⓒ $y = -1.8x + 4$
Ⓓ $y = 4x$

- 4 Write an equation to model the data in the table.

x	y
0	2.7
1	13.5
2	67.5
3	337.5
4	1687.5

- Ⓐ $y = 2.7x^2 + 5$
Ⓑ $y = 2.7x + 5$
Ⓒ $y = 5x$
Ⓓ $y = 2.7 \cdot 5^x$

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Answer Section

- 1 A
- 2 C
- 3 C
- 4 D