



Math worksheet on 'Polynomials - Complete the Square (Level 1)'. Part of a broader unit on 'Polynomials and Quadratics - Advanced'

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1 Which constant value makes this polynomial a perfect square?

$$r^2 + 12r + ?$$

a	b	c	d	e	f
81	9	11	50	36	16

2 Which constant value makes this polynomial a perfect square?

$$m^2 - 10m + ?$$

a	b	c	d	e	f
34	68	9	25	4	16

3 Which constant value makes this polynomial a perfect square?

$$z^2 - 12z + ?$$

a	b	c	d	e	f
26	67	25	64	36	49

4 Which constant value makes this polynomial a perfect square?

$$r^2 + 4r + ?$$

a	b	c	d	e	f
13	1	25	9	4	5

5 Which constant value makes this polynomial a perfect square?

$$b^2 + 8b + ?$$

a	b	c	d	e	f
8	24	4	25	16	1

6 Which constant value makes this polynomial a perfect square?

$$m^2 - 8m + ?$$

a	b	c	d	e	f
4	1	16	49	25	37

7 Which constant value makes this polynomial a perfect square?

$$b^2 + 0b + ?$$

a	b	c	d	e	f
-5	1	0	12	-3	11