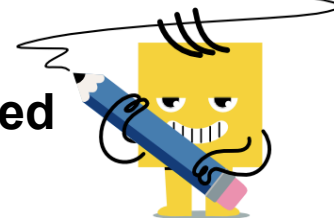




Algebraic Functions - Multiply Bracketed Terms, Same Variable



1

Which answer is the same expression as this

$$(d - 2)(d + 3)$$

- | | |
|-------------------|------------------|
| A $d^2 + 6d + 5$ | B $d^2 + 1d - 6$ |
| C $d^2 - 5d + 6$ | D $d^2 + 6d + 6$ |
| E $6d^2 - 5d + 8$ | |

2

Which answer is the same expression as this

$$(x - 9)(x - 2)$$

- | | |
|----------------------|--------------------|
| A $x^2 - 11x + 18$ | B $x^2 + 18x + 11$ |
| C $18x^2 - 11x + 13$ | D $x^2 + 11x - 18$ |
| E $11x^2 - x + 18$ | |

3

Which answer is the same expression as this

$$(r + 2)(r - 5)$$

- | | |
|-------------------|---------------------|
| A $r^2 + 7r - 10$ | B $10r^2 + 7r + 12$ |
| C $r^2 + 10r - 7$ | D $r^2 - 3r - 10$ |
| E $r^2 + 7r + 10$ | |

4

Which answer is the same expression as this

$$(d - 6)(d + 3)$$

- | | |
|-------------------|--------------------|
| A $d^2 - 3d - 18$ | B $d^2 - 18d + 18$ |
| C $d^2 + 18d + 9$ | D $d^2 + 9d + 18$ |
| E $9d^2 - d + 18$ | |

5

Which answer is the same expression as this

$$(z - 2)(z - 4)$$

- | | |
|------------------|------------------|
| A $z^2 - 6z + 8$ | B $z^2 + 8z + 6$ |
| C $z^2 - 8z + 6$ | D $6z^2 + z + 8$ |
| E $z^2 + 6z - 8$ | |

6

Which answer is the same expression as this

$$(z + 6)(z - 6)$$

- | | |
|--------------------|--------------------|
| A $z^2 + 36$ | B $z^2 + 12z - 36$ |
| C $z^2 + 12z - 12$ | D $z^2 + 36z - 36$ |
| E $z^2 - 36$ | |

7

Which answer is the same expression as this

$$(c - 6)(c + 9)$$

- | | |
|--------------------|--------------------|
| A $15c^2 - c + 54$ | B $c^2 - 15c + 54$ |
| C $c^2 - 15c - 54$ | D $c^2 + 3c - 54$ |

8

Which answer is the same expression as this

$$(d + 7)(d - 2)$$

- | | |
|-------------------|---------------------|
| A $d^2 + 5d - 14$ | B $d^2 - 14d + 9$ |
| C $d^2 + 9d + 14$ | D $14d^2 + 9d + 11$ |
| E $d^2 + 14d - 9$ | |