



Algebraic Functions - Simplify to Bracketed Terms, Different Variables

1

Which answer is the same expression as this

$$bn + 9n + 4b + 36$$

- | | |
|----------------------|---------------------|
| A $(b + 9)(n + 4)$ | B $(b + 9)(n + 13)$ |
| C $(b + 36)(n + 13)$ | D $(b + 9)(n - 4)$ |
| E $(b - 9)(n + 4)$ | F $(b + 36)(n + 4)$ |

2

Which answer is the same expression as this

$$db + 3b + 6d + 18$$

- | | |
|---------------------|---------------------|
| A $(d + 3)(b - 6)$ | B $(d + 3)(b + 9)$ |
| C $(d + 3)(b + 6)$ | D $(d - 3)(b + 6)$ |
| E $(d + 18)(b + 6)$ | F $(d + 18)(b + 9)$ |

3

Which answer is the same expression as this

$$px + 4x + 7p + 28$$

- | | |
|----------------------|---------------------|
| A $(p - 4)(x + 7)$ | B $(p + 4)(x + 11)$ |
| C $(p + 28)(x + 11)$ | D $(p + 4)(x - 7)$ |
| E $(p + 28)(x + 7)$ | F $(p + 4)(x + 7)$ |

4

Which answer is the same expression as this

$$cb + 5b + 4c + 20$$

- | | |
|--------------------|---------------------|
| A $(c + 5)(b + 9)$ | B $(c + 5)(b + 4)$ |
| C $(c - 5)(b + 4)$ | D $(c + 20)(b + 9)$ |
| E $(c + 5)(b - 4)$ | F $(c + 20)(b + 4)$ |

5

Which answer is the same expression as this

$$dx + 3x + 8d + 24$$

- | | |
|----------------------|---------------------|
| A $(d + 24)(x + 11)$ | B $(d + 3)(x + 11)$ |
| C $(d - 3)(x + 8)$ | D $(d + 3)(x + 8)$ |
| E $(d + 3)(x - 8)$ | F $(d + 24)(x + 8)$ |

6

Which answer is the same expression as this

$$rz + 2z + 8r + 16$$

- | | |
|----------------------|--------------------|
| A $(r + 16)(z + 10)$ | B $(r + 2)(z - 8)$ |
| C $(r + 2)(z + 10)$ | D $(r - 2)(z + 8)$ |
| E $(r + 16)(z + 8)$ | F $(r + 2)(z + 8)$ |

7

Which answer is the same expression as this

$$by + 8y + 8b + 64$$

- | | |
|----------------------|---------------------|
| A $(b + 8)(y + 8)$ | B $(b + 8)(y - 8)$ |
| C $(b + 64)(y + 16)$ | D $(b - 8)(y + 8)$ |
| E $(b + 64)(y + 8)$ | F $(b + 8)(y + 16)$ |

8

Which answer is the same expression as this

$$mr + 7r + 3m + 21$$

- | | |
|----------------------|---------------------|
| A $(m + 7)(r + 3)$ | B $(m + 7)(r + 10)$ |
| C $(m + 21)(r + 10)$ | D $(m + 21)(r + 3)$ |
| E $(m - 7)(r + 3)$ | F $(m + 7)(r - 3)$ |