



Algebraic Functions - Simplify to Bracketed Terms, Different Variables

1 Which answer is the same expression as this

$$xp - 2p - 2x + 4$$

- | | |
|--------------------|--------------------|
| A $(x + 2)(p - 2)$ | B $(x - 2)(p + 2)$ |
| C $(x - 2)(p + 0)$ | D $(x + 2)(p - 4)$ |
| E $(x - 2)(p - 2)$ | |

2 Which answer is the same expression as this

$$zp + 9p + 7z + 63$$

- | | |
|----------------------|---------------------|
| A $(z + 63)(p + 16)$ | B $(z + 9)(p + 16)$ |
| C $(z + 9)(p + 7)$ | D $(z + 63)(p + 7)$ |
| E $(z - 9)(p + 7)$ | |

3 Which answer is the same expression as this

$$tq - 2q - 9t + 18$$

- | | |
|----------------------|---------------------|
| A $(t - 2)(q - 9)$ | B $(t + 18)(q - 9)$ |
| C $(t + 2)(q - 11)$ | D $(t + 2)(q - 9)$ |
| E $(t - 18)(q + 11)$ | |

4 Which answer is the same expression as this

$$wt - 7t - 8w + 56$$

- | | |
|--------------------|----------------------|
| A $(w - 7)(t + 8)$ | B $(w + 7)(t + 8)$ |
| C $(w - 7)(t - 8)$ | D $(w - 56)(t + 15)$ |
| E $(w + 7)(t - 8)$ | |

5 Which answer is the same expression as this

$$xw - 7w - 6x + 42$$

- | | |
|---------------------|--------------------|
| A $(x + 42)(w - 6)$ | B $(x + 7)(w + 6)$ |
| C $(x + 7)(w - 13)$ | D $(x - 7)(w - 6)$ |
| E $(x - 7)(w + 1)$ | |

6 Which answer is the same expression as this

$$wm + 7m - 5w - 35$$

- | | |
|---------------------|----------------------|
| A $(w + 7)(m - 5)$ | B $(w - 35)(m + 12)$ |
| C $(w - 7)(m + 5)$ | D $(w + 35)(m - 5)$ |
| E $(w + 7)(m - 12)$ | |

7 Which answer is the same expression as this

$$xw + 8w + 8x + 64$$

- | | |
|----------------------|--------------------|
| A $(x + 64)(w + 16)$ | B $(x + 8)(w + 0)$ |
| C $(x + 8)(w - 8)$ | D $(x - 8)(w + 8)$ |
| E $(x + 8)(w + 8)$ | |

8 Which answer is the same expression as this

$$yq - 2q - 8y + 16$$

- | | |
|---------------------|----------------------|
| A $(y - 2)(q - 8)$ | B $(y + 16)(q - 8)$ |
| C $(y + 2)(q - 10)$ | D $(y - 16)(q + 10)$ |
| E $(y + 2)(q + 8)$ | |