



## Algebraic Functions - Remove Value From Bracketed Terms

1 Which answer is the same expression as this

$$35z - 10$$

- |   |             |   |              |
|---|-------------|---|--------------|
| A | $5(7z - 2)$ | B | $(z^5 + 10)$ |
| C | $5(z + 10)$ | D | $2(5z + 10)$ |
| E | $5(z - 35)$ |   |              |

2 Which answer is the same expression as this

$$63q - 45$$

- |   |             |   |              |
|---|-------------|---|--------------|
| A | $9(q + 45)$ | B | $9(7q - 5)$  |
| C | $5(9q + 5)$ | D | $(q^9 + 45)$ |
| E | $9(q + 5)$  |   |              |

3 Which answer is the same expression as this

$$14q + 6$$

- |   |             |   |              |
|---|-------------|---|--------------|
| A | $(q^2 + 6)$ | B | $3(2q + 14)$ |
| C | $2(q - 3)$  | D | $3(2q + 6)$  |
| E | $2(7q + 3)$ |   |              |

4 Which answer is the same expression as this

$$9q + 15$$

- |   |              |   |             |
|---|--------------|---|-------------|
| A | $3(3q + 5)$  | B | $5(3q - 5)$ |
| C | $3(q + 15)$  | D | $5(3q + 9)$ |
| E | $5(3q + 15)$ |   |             |

5 Which answer is the same expression as this

$$16t + 40$$

- |   |              |   |             |
|---|--------------|---|-------------|
| A | $8(t + 16)$  | B | $5(8t - 5)$ |
| C | $(t^8 + 40)$ | D | $8(2t + 5)$ |
| E | $8(t + 40)$  |   |             |

6 Which answer is the same expression as this

$$20q - 8$$

- |   |             |   |              |
|---|-------------|---|--------------|
| A | $4(5q - 2)$ | B | $2(4q - 20)$ |
| C | $4(q + 2)$  | D | $2(4q + 8)$  |
| E | $(q^4 + 8)$ |   |              |

7 Which answer is the same expression as this

$$14y - 21$$

- |   |              |   |              |
|---|--------------|---|--------------|
| A | $7(2y - 3)$  | B | $3(7y + 21)$ |
| C | $7(y + 3)$   | D | $(y^7 + 21)$ |
| E | $3(7y - 14)$ |   |              |

8 Which answer is the same expression as this

$$9w + 15$$

- |   |             |   |              |
|---|-------------|---|--------------|
| A | $3(w - 5)$  | B | $5(3w - 5)$  |
| C | $3(3w + 5)$ | D | $5(3w + 15)$ |
| E | $3(w + 9)$  |   |              |