



Math worksheet on 'Algebraic Functions - Remove Value From Bracketed Terms (Level 2)'. Part of a broader unit on 'Polynomials and Quadratics - Practice'

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2 Which answer is the same expression as this

$$18x - 42$$

- | | | | |
|----------|-------------|----------|--------------|
| a | $6(3x - 7)$ | b | $6(x + 7)$ |
| c | $6(x - 18)$ | d | $7(6x - 18)$ |
| e | $6(x + 42)$ | f | $7(6x + 7)$ |

4 Which answer is the same expression as this

$$30n - 42$$

- | | | | |
|----------|-------------|----------|--------------|
| a | $6(n + 42)$ | b | $7(6n - 30)$ |
| c | $6(5n - 7)$ | d | $6(n + 7)$ |
| e | $7(6n + 7)$ | f | $6(n - 30)$ |

6 Which answer is the same expression as this

$$4z - 10$$

- | | | | |
|----------|-------------|----------|-------------|
| a | $2(z + 10)$ | b | $5(2z - 4)$ |
| c | $2(2z - 5)$ | d | $5(2z + 5)$ |
| e | $2(z + 5)$ | f | $2(z - 4)$ |

1 Which answer is the same expression as this

$$40c - 24$$

- | | | | |
|----------|-------------|----------|--------------|
| a | $8(c + 24)$ | b | $8(c + 3)$ |
| c | $8(c - 40)$ | d | $3(8c - 40)$ |
| e | $3(8c + 3)$ | f | $8(5c - 3)$ |

3 Which answer is the same expression as this

$$45m + 27$$

- | | | | |
|----------|--------------|----------|-------------|
| a | $9(m + 27)$ | b | $9(5m + 3)$ |
| c | $3(9m + 45)$ | d | $9(m - 3)$ |
| e | $3(9m - 3)$ | f | $9(m + 45)$ |

5 Which answer is the same expression as this

$$6p - 21$$

- | | | | |
|----------|-------------|----------|-------------|
| a | $3(p + 21)$ | b | $3(p - 6)$ |
| c | $7(3p - 6)$ | d | $7(3p + 7)$ |
| e | $3(p + 7)$ | f | $3(2p - 7)$ |

7 Which answer is the same expression as this

$$14y + 35$$

- | | | | |
|----------|--------------|----------|-------------|
| a | $5(7y - 5)$ | b | $7(y + 35)$ |
| c | $7(y + 14)$ | d | $7(y - 5)$ |
| e | $5(7y + 14)$ | f | $7(2y + 5)$ |