



Math worksheet on 'Algebraic Functions - Different Variable Times Bracketed Terms (Level 2)'. Part of a broader unit on 'Polynomials and Quadratics - Intro'

Learn online: app.mobius.academy/math/units/polynomials_and_quadratics_intro/

1 Which answer is the same expression as this

$$x(9m - 3)$$

- | | | | |
|----------|------------|----------|-------------|
| a | $9xm + 3x$ | b | $9xm - 3x$ |
| c | $xm + x$ | d | $3m^2 + 3x$ |
| e | $3xm + 3$ | f | $9x^2 + 3x$ |

2 Which answer is the same expression as this

$$m(4n - 4)$$

- | | | | |
|----------|------------|----------|-------------|
| a | $mn + m$ | b | $4n^2 + 4m$ |
| c | $4mn + 4m$ | d | $4mn - 4m$ |
| e | $4mn + 4$ | f | $4m^2 + 4m$ |

3 Which answer is the same expression as this

$$2n(6 - b)$$

- | | | | |
|----------|-------------|----------|-------------|
| a | $6b - 6n$ | b | $12nb + 6n$ |
| c | $6n + nb$ | d | $12nb + 6$ |
| e | $12n - 2nb$ | f | $8nb + 6n$ |

4 Which answer is the same expression as this

$$4r(5 - x)$$

- | | | | |
|----------|-------------|----------|-------------|
| a | $5r + rx$ | b | $5x - 5r$ |
| c | $20r - 4rx$ | d | $20rx + 5$ |
| e | $9rx + 5r$ | f | $20rx + 5r$ |

5 Which answer is the same expression as this

$$5d(8 - n)$$

- | | | | |
|----------|-------------|----------|-------------|
| a | $8d + dn$ | b | $40dn + 8d$ |
| c | $40dn + 8$ | d | $8n - 8d$ |
| e | $40d - 5dn$ | f | $13dn + 8d$ |

6 Which answer is the same expression as this

$$c(6m - 8)$$

- | | | | |
|----------|-------------|----------|-------------|
| a | $6c^2 + 8c$ | b | $6cm - 8c$ |
| c | $6cm + 8c$ | d | $8m^2 + 8c$ |
| e | $8cm + 8$ | f | $cm + c$ |

7 Which answer is the same expression as this

$$y(6z + 3)$$

- | | | | |
|----------|-------------|----------|------------|
| a | $6yz - 3y$ | b | $yz + 6y$ |
| c | $3yz + 3$ | d | $6yz + 3y$ |
| e | $3y^2 + 3y$ | f | $z^2 + 3y$ |