



Math worksheet on 'Algebraic Functions - Same Variable Times Bracketed Terms (Level 1)'. Part of a broader unit on 'Algebra Manipulating Variables - Intro'

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**2** Which answer is the same expression as this

$$b(b - 7)$$

|          |             |          |             |
|----------|-------------|----------|-------------|
| <b>a</b> | $b^2 - 7b$  | <b>b</b> | $b - 7$     |
| <b>c</b> | $b + 7$     | <b>d</b> | $2b^2 - 7b$ |
| <b>e</b> | $2b^2 + 7b$ | <b>f</b> | $2b - 7b$   |

**4** Which answer is the same expression as this

$$z(z + 2)$$

|          |             |          |             |
|----------|-------------|----------|-------------|
| <b>a</b> | $2z + 2z$   | <b>b</b> | $2z^2 - 2z$ |
| <b>c</b> | $2z^2 + 2z$ | <b>d</b> | $z^2 + 2z$  |
| <b>e</b> | $z + 2$     | <b>f</b> | $z^2 - 2z$  |

**6** Which answer is the same expression as this

$$b(b + 9)$$

|          |             |          |             |
|----------|-------------|----------|-------------|
| <b>a</b> | $b + 9$     | <b>b</b> | $2b + 9b$   |
| <b>c</b> | $2b^2 - 9b$ | <b>d</b> | $2b^2 + 9b$ |
| <b>e</b> | $b^2 - 9b$  | <b>f</b> | $b^2 + 9b$  |

**1** Which answer is the same expression as this

$$z(z - 4)$$

|          |             |          |             |
|----------|-------------|----------|-------------|
| <b>a</b> | $2z^2 + 4z$ | <b>b</b> | $2z^2 - 4z$ |
| <b>c</b> | $2z - 4z$   | <b>d</b> | $z - 4$     |
| <b>e</b> | $z + 4$     | <b>f</b> | $z^2 - 4z$  |

**3** Which answer is the same expression as this

$$z(z + 3)$$

|          |             |          |             |
|----------|-------------|----------|-------------|
| <b>a</b> | $2z^2 - 3z$ | <b>b</b> | $2z^2 + 3z$ |
| <b>c</b> | $z^2 - 3z$  | <b>d</b> | $z + 3$     |
| <b>e</b> | $z^2 + 3z$  | <b>f</b> | $2z + 3z$   |

**5** Which answer is the same expression as this

$$z(z - 9)$$

|          |             |          |           |
|----------|-------------|----------|-----------|
| <b>a</b> | $2z^2 + 9z$ | <b>b</b> | $2z - 9z$ |
| <b>c</b> | $z^2 - 9z$  | <b>d</b> | $z + 9$   |
| <b>e</b> | $2z^2 - 9z$ | <b>f</b> | $z - 9$   |

**7** Which answer is the same expression as this

$$r(r - 7)$$

|          |             |          |             |
|----------|-------------|----------|-------------|
| <b>a</b> | $2r - 7r$   | <b>b</b> | $2r^2 + 7r$ |
| <b>c</b> | $r + 7$     | <b>d</b> | $r - 7$     |
| <b>e</b> | $2r^2 - 7r$ | <b>f</b> | $r^2 - 7r$  |