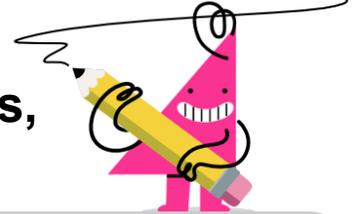




## Algebraic Functions - Bracketed Terms, Squared



1 Which answer is the same expression as this

$$(2w + 2)^2$$

- |   |                 |   |                 |
|---|-----------------|---|-----------------|
| A | $8w^2 - w + 4$  | B | $4w^2 - 8w + 4$ |
| C | $8w^2 + w + 4$  | D | $4w^2 + 8w + 6$ |
| E | $4w^2 - 8w + 6$ | F | $4w^2 + 8w + 4$ |

2 Which answer is the same expression as this

$$(9q + 3)^2$$

- |   |                   |   |                   |
|---|-------------------|---|-------------------|
| A | $54q^2 - 54q + 9$ | B | $81q^2 + 54q - 9$ |
| C | $q^2 + 9q - 54$   | D | $9q^2 + 9q + 54$  |
| E | $81q^2 + 54q + 9$ | F | $54q^2 + 9q + 54$ |

3 Which answer is the same expression as this

$$(4r + 6)^2$$

- |   |                    |   |                    |
|---|--------------------|---|--------------------|
| A | $16r^2 + 48r - 36$ | B | $16r^2 + 48r + 36$ |
| C | $36r^2 + 48r - 36$ | D | $r^2 + 36r - 48$   |
| E | $48r^2 + 48r - 36$ | F | $48r^2 - r + 36$   |

4 Which answer is the same expression as this

$$(2y + 4)^2$$

- |   |                    |   |                    |
|---|--------------------|---|--------------------|
| A | $16y^2 - y + 16$   | B | $4y^2 + 16y + 16$  |
| C | $16y^2 + 16y + 16$ | D | $4y^2 - 16y + 16$  |
| E | $y^2 + 16y - 16$   | F | $16y^2 + 16y - 16$ |

5 Which answer is the same expression as this

$$(5r + 2)^2$$

- |   |                   |   |                   |
|---|-------------------|---|-------------------|
| A | $20r^2 + 20r - 4$ | B | $25r^2 + 4r + 20$ |
| C | $25r^2 + 20r + 4$ | D | $20r^2 + r + 4$   |
| E | $20r^2 + 4r + 20$ | F | $25r^2 + 20r - 4$ |

6 Which answer is the same expression as this

$$(8z + 2)^2$$

- |   |                   |   |                   |
|---|-------------------|---|-------------------|
| A | $z^2 - 4z + 32$   | B | $64z^2 + 32z + 4$ |
| C | $32z^2 + 4z + 32$ | D | $4z^2 + 32z - 4$  |
| E | $32z^2 + 32z - 4$ | F | $4z^2 + 32z + 18$ |

7 Which answer is the same expression as this

$$(3t + 7)^2$$

- |   |                    |   |                    |
|---|--------------------|---|--------------------|
| A | $49t^2 + 42t - 49$ | B | $9t^2 + 42t + 49$  |
| C | $t^2 + 49t - 42$   | D | $49t^2 + 49t + 42$ |
| E | $9t^2 + 42t - 49$  | F | $42t^2 + t + 49$   |

8 Which answer is the same expression as this

$$(8w + 7)^2$$

- |   |                      |   |                   |
|---|----------------------|---|-------------------|
| A | $112w^2 - 112w + 49$ | B | $112w^2 - w + 49$ |
| C | $64w^2 + 112w + 49$  | D | $w^2 - 49w + 112$ |
| E | $112w^2 + 49w + 112$ | F | $w^2 + 49w - 112$ |