



Algebraic Functions - Bracketed Terms, Squared



1 Which answer is the same expression as this

$$(4y - 7)^2$$

- | | | | |
|---|--------------------|---|--------------------|
| A | $16y^2 - 56y + 49$ | B | $56y^2 + y + 49$ |
| C | $56y^2 - 56y + 16$ | D | $y^2 - 49y + 56$ |
| E | $y^2 + 16y + 49$ | F | $49y^2 + 56y - 49$ |

2 Which answer is the same expression as this

$$(2q - 8)^2$$

- | | | | |
|---|--------------------|---|--------------------|
| A | $32q^2 + q + 64$ | B | $64q^2 - 32q + 32$ |
| C | $32q^2 - 32q - 64$ | D | $32q^2 + 32q + 32$ |
| E | $64q^2 + 32q + 12$ | F | $4q^2 - 32q + 64$ |

3 Which answer is the same expression as this

$$(3w - 2)^2$$

- | | | | |
|---|------------------|---|-------------------|
| A | $w^2 + 9w + 4$ | B | $12w^2 - 12w - 4$ |
| C | $w^2 - 4w + 12$ | D | $4w^2 - 12w + 12$ |
| E | $9w^2 - 12w + 4$ | F | $4w^2 - 12w + 11$ |

4 Which answer is the same expression as this

$$(5z - 4)^2$$

- | | | | |
|---|--------------------|---|--------------------|
| A | $16z^2 + 40z + 29$ | B | $40z^2 + 40z + 40$ |
| C | $25z^2 - 40z + 25$ | D | $16z^2 - 40z - 16$ |
| E | $25z^2 - 40z - 16$ | F | $25z^2 - 40z + 16$ |

5 Which answer is the same expression as this

$$(6q - 7)^2$$

- | | | | |
|---|--------------------|---|--------------------|
| A | $q^2 + 36q + 49$ | B | $36q^2 - 84q + 36$ |
| C | $q^2 + 49q + 84$ | D | $49q^2 - 84q - 49$ |
| E | $36q^2 - 84q + 49$ | F | $84q^2 - 84q - 49$ |

6 Which answer is the same expression as this

$$(6q - 4)^2$$

- | | | | |
|---|--------------------|---|--------------------|
| A | $16q^2 - 48q - 16$ | B | $q^2 + 16q - 48$ |
| C | $36q^2 - 48q + 16$ | D | $36q^2 - 48q - 16$ |
| E | $q^2 + 16q + 48$ | F | $16q^2 - 48q + 40$ |

7 Which answer is the same expression as this

$$(4z - 2)^2$$

- | | | | |
|---|-------------------|---|-------------------|
| A | $z^2 + 4z - 16$ | B | $16z^2 - z + 4$ |
| C | $16z^2 - 16z + 4$ | D | $16z^2 + 16z - 4$ |
| E | $4z^2 + 16z + 18$ | F | $4z^2 - 16z + 18$ |

8 Which answer is the same expression as this

$$(7q - 3)^2$$

- | | | | |
|---|-------------------|---|-------------------|
| A | $q^2 + 49q - 9$ | B | $9q^2 - 42q + 52$ |
| C | $q^2 + 9q - 42$ | D | $9q^2 + 42q - 9$ |
| E | $49q^2 - 42q + 9$ | F | $q^2 + 49q + 9$ |