



## Algebraic Functions - Multiply Bracketed Terms, Same Variable

1 Which answer is the same expression as this

$$(q - 2)(q + 3)$$

A  $6q^2 - 5q + 8$

B  $q^2 + 6q + 5$

C  $q^2 + 5q - 6$

D  $q^2 + 1q - 6$

E  $q^2 + 6q - 6$

3 Which answer is the same expression as this

$$(t - 7)(t - 7)$$

A  $49t^2 - 14t + 21$

B  $t^2 - 14t + 49$

C  $t^2 + 49t + 14$

D  $14t^2 - t + 49$

E  $t^2 + 49t - 14$

5 Which answer is the same expression as this

$$(z + 6)(z - 6)$$

A  $z^2 + 12z + 36$

B  $z^2 + 12z - 12$

C  $z^2 - 12z - 36$

D  $z^2 + 36z - 36$

E  $z^2 - 36$

7 Which answer is the same expression as this

$$(y + 5)(y - 7)$$

A  $y^2 + 35y - 12$

B  $35y^2 + 12y + 19$

C  $y^2 - 12y + 35$

D  $y^2 - 2y - 35$

E  $12y^2 + y + 35$

2 Which answer is the same expression as this

$$(x - 7)(x - 7)$$

A  $x^2 - 14x + 49$

B  $x^2 + 49x + 14$

C  $49x^2 - 14x + 21$

D  $49x^2 + 14x + 21$

E  $x^2 + 49x - 14$

4 Which answer is the same expression as this

$$(p - 6)(p - 4)$$

A  $p^2 - 10p + 24$

B  $p^2 + 24p + 10$

C  $p^2 + 10p + 24$

D  $10p^2 + p + 24$

E  $p^2 - 24p + 10$

6 Which answer is the same expression as this

$$(n - 6)(n - 9)$$

A  $n^2 - 15n + 54$

B  $15n^2 + n + 54$

C  $n^2 + 54n - 15$

D  $n^2 + 54n + 15$

E  $15n^2 - n + 54$

8 Which answer is the same expression as this

$$(r - 6)(r + 7)$$

A  $r^2 + 1r - 42$

B  $13r^2 - r + 42$

C  $r^2 - 13r + 42$

D  $42r^2 + 13r + 20$

E  $r^2 - 13r - 42$