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

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1 Which answer is the same expression as this

$$(b + 6)(b + 9)$$

a	$b^2 + 54b + 15$	b	$b^2 - 54b + 15$
c	$b^2 + 15b + 54$	d	$b^2 + 15b - 54$
e	$b^2 + 54b - 15$	f	$b^2 - 15b + 54$

2 Which answer is the same expression as this

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

a	$r^2 - 10r + 7$	b	$r^2 - 7r + 10$
c	$r^2 + 10r - 7$	d	$r^2 + 7r - 10$
e	$r^2 + 10r + 7$	f	$r^2 + 7r + 10$

3 Which answer is the same expression as this

$$(x + 5)(x + 7)$$

a	$x^2 + 12x - 35$	b	$x^2 + 35x - 12$
c	$x^2 + 35x + 12$	d	$x^2 + 12x + 35$
e	$x^2 - 35x + 12$	f	$x^2 - 12x + 35$

4 Which answer is the same expression as this

$$(z + 3)(z + 3)$$

a	$z^2 + 6z + 9$	b	$z^2 + 6z - 9$
c	$z^2 - 6z + 9$	d	$z^2 + 9z - 6$
e	$z^2 - 9z + 6$	f	$z^2 + 9z + 6$

5 Which answer is the same expression as this

$$(r + 5)(r + 7)$$

a	$r^2 - 12r + 35$	b	$r^2 + 12r + 35$
c	$r^2 + 35r + 12$	d	$r^2 + 12r - 35$
e	$r^2 - 35r + 12$	f	$r^2 + 35r - 12$

6 Which answer is the same expression as this

$$(n + 3)(n + 2)$$

a	$n^2 - 6n + 5$	b	$n^2 + 5n - 6$
c	$n^2 + 6n - 5$	d	$n^2 + 6n + 5$
e	$n^2 + 5n + 6$	f	$n^2 - 5n + 6$

7 Which answer is the same expression as this

$$(n + 2)(n + 2)$$

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