mobius

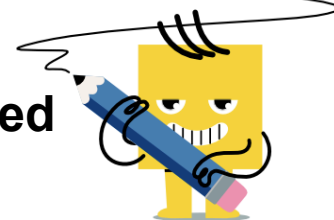## Algebraic Functions - Multiply Bracketed Terms, Same Variable

1 Which answer is the same expression as this

$$(6y + 2)(y - 7)$$

A	$14y^2 + 9y + 16$	B	$6y^2 - 9y - 14$
C	$y^2 - 14y + 9$	D	$14y^2 - 9y + 16$
E	$2y^2 + 40y - 14$	F	$6y^2 - 40y - 14$

2 Which answer is the same expression as this

$$(2z + 8)(z - 4)$$

A	$2z^2 + 0z - 32$	B	$z^2 - 32z + 12$
C	$12z^2 + z + 32$	D	$z^2 + 32z - 12$
E	$2z^2 - 0z - 32$	F	$32z^2 + 12z + 16$

3 Which answer is the same expression as this

$$(p + 6)(4p + 8)$$

A	$32p^2 + p + 48$	B	$p^2 - 32p + 48$
C	$4p^2 + 32p - 48$	D	$p^2 + 32p - 48$
E	$4p^2 + 32p + 48$	F	$48p^2 + 32p + 22$

4 Which answer is the same expression as this

$$(2c + 5)(c - 2)$$

A	$c^2 + 10c + 7$	B	$2c^2 + 7c - 10$
C	$5c^2 + 7c + 10$	D	$10c^2 + 7c + 9$
E	$2c^2 + 1c - 10$	F	$2c^2 - 7c - 10$

5 Which answer is the same expression as this

$$(6p + 8)(p - 6)$$

A	$p^2 - 48p + 14$	B	$p^2 + 48p - 14$
C	$48p^2 - 14p + 20$	D	$8p^2 + 28p - 48$
E	$6p^2 - 28p - 48$	F	$6p^2 - 14p - 48$

6 Which answer is the same expression as this

$$(d + 7)(9d + 2)$$

A	$d^2 + 14d - 65$	B	$14d^2 - 65d + 11$
C	$9d^2 + 65d + 14$	D	$9d^2 + 65d - 14$
E	$9d^2 + 14d + 65$	F	$65d^2 - d + 14$

7 Which answer is the same expression as this

$$(p + 8)(6p + 4)$$

A	$6p^2 + 52p + 32$	B	$4p^2 + 32p - 52$
C	$32p^2 - 52p + 16$	D	$52p^2 + p + 32$
E	$52p^2 - p + 32$	F	$6p^2 + 32p + 52$

8 Which answer is the same expression as this

$$(3p + 8)(p - 6)$$

A	$6p^2 - 14p - 48$	B	$48p^2 - 14p + 20$
C	$3p^2 + 14p - 48$	D	$p^2 - 48p + 14$
E	$3p^2 - 14p - 48$	F	$3p^2 - 10p - 48$

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