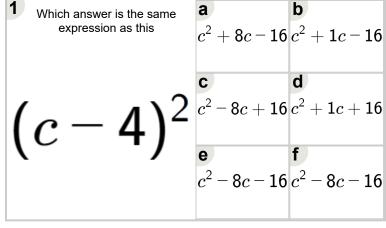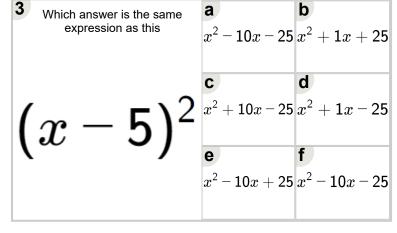# mobius

Math worksheet on *'Algebraic Functions - Bracketed Terms, Squared (Level 2)'*. Part of a broader unit on *'Algebra Manipulating Variables - Advanced'*
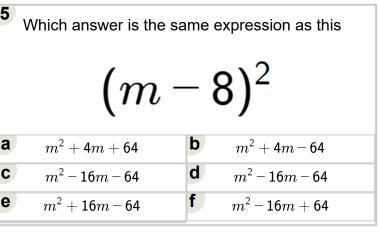
Learn online:
app.mobius.academy/math/units/algebra_manipulating_variables_advanced/

1 Which answer is the same expression as this

$$(c - 4)^2$$

a	b
$c^2 + 8c - 16$	$c^2 + 1c - 16$
c	**d**
$c^2 - 8c + 16$	$c^2 + 1c + 16$
e	**f**
$c^2 - 8c - 16$	$c^2 - 8c - 16$

2 Which answer is the same expression as this

$$(d - 7)^2$$

a	b
$d^2 - 14d - 49$	$d^2 + 1d + 49$
c	**d**
$d^2 + 1d - 49$	$d^2 - 14d - 49$
e	**f**
$d^2 - 14d + 49$	$d^2 + 14d - 49$

3 Which answer is the same expression as this

$$(x - 5)^2$$

a	b
$x^2 - 10x - 25$	$x^2 + 1x + 25$
c	**d**
$x^2 + 10x - 25$	$x^2 + 1x - 25$
e	**f**
$x^2 - 10x + 25$	$x^2 - 10x - 25$

4 Which answer is the same expression as this

$$(m - 2)^2$$

a	$m^2 - 4m - 4$	b	$m^2 + 3m - 4$
c	$m^2 - 4m - 4$	**d**	$m^2 + 4m - 4$
e	$m^2 - 4m + 4$	**f**	$m^2 + 3m + 4$

5 Which answer is the same expression as this

$$(m - 8)^2$$

a	$m^2 + 4m + 64$	b	$m^2 + 4m - 64$
c	$m^2 - 16m - 64$	**d**	$m^2 - 16m - 64$
e	$m^2 + 16m - 64$	**f**	$m^2 - 16m + 64$

6 Which answer is the same expression as this

$$(d - 5)^2$$

a	b
$d^2 + 2d - 25$	$d^2 - 10d - 25$
c	**d**
$d^2 - 10d - 25$	$d^2 + 2d + 25$
e	**f**
$d^2 + 10d - 25$	$d^2 - 10d + 25$

7 Which answer is the same expression as this

$$(x - 6)^2$$

a	b
$x^2 + 0x + 36$	$x^2 - 12x - 36$
c	**d**
$x^2 + 0x - 36$	$x^2 + 12x - 36$
e	**f**
$x^2 - 12x + 36$	$x^2 - 12x - 36$