mobius

Math worksheet on *'Algebraic Functions - Multiply Bracketed Terms, Same Variable (Level 2)'*. Part of a broader unit on *'Polynomials and Quadratics - Intro'*

Learn online: app.mobius.academy/math/units/polynomials_and_quadratics_intro/

1 Which answer is the same expression as this

$$(y+6)(y-4)$$

a	$y^2+10y-24$	**b**	$y^2+10y-24$
c	$y^2+10y+24$	**d**	$y^2+2y-24$
e	$y^2-2y-24$	**f**	$y^2-10y-24$

2 Which answer is the same expression as this

$$(r-9)(r-8)$$

a	$r^2+72r-17$	**b**	$r^2-72r+17$
c	$r^2+17r+72$	**d**	$r^2+17r-72$
e	$r^2+72r+17$	**f**	$r^2-17r+72$

3 Which answer is the same expression as this

$$(d+6)(d-6)$$

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

4 Which answer is the same expression as this

$$(r+2)(r-2)$$

a	r^2+4	**b**	r^2+4r-4
c	r^2+4r-4	**d**	r^2-4
e	r^2-4r-4	**f**	r^2-4r-4

5 Which answer is the same expression as this

$$(x+6)(x-6)$$

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

6 Which answer is the same expression as this

$$(z+8)(z-5)$$

a	$z^2+13z+40$	**b**	$z^2+13z-40$
c	$z^2+13z-40$	**d**	$z^2-13z-40$
e	$z^2-3z-40$	**f**	$z^2+3z-40$

7 Which answer is the same expression as this

$$(x+2)(x-2)$$

a	x^2+4x-4	**b**	x^2+4
c	x^2+4x-4	**d**	x^2-4
e	x^2-4x-4	**f**	x^2-4x-4