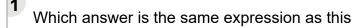


Math worksheet on 'Algebraic Functions - Multiply Bracketed Terms, Same Variable (Level 2)'. Part of a broader unit on 'Polynomials and Quadratics - Intro'

Learn online: <a href="mailto:app.mobius.academy/math/units/polynomials">app.mobius.academy/math/units/polynomials</a> and <a href="quadratics">quadratics</a> intro/



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

а	$y^2 + 10y - 24$	b	$y^2 + 10y - 24$	
C	$y^2 + 10y + 24$	d	$y^2 + 2y - 24$	

**e** 
$$y^2 - 2y - 24$$
 **f**  $y^2 - 10y - 24$ 

Which answer is the same expression as this

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

	`	<i>,</i> (	,
а	$r^2 + 72r - 17$	b	$r^2 - 72r + 17$

**c** 
$$r^2 + 17r + 72$$
 **d**  $r^2 + 17r - 72$ 

**e** 
$$r^2 + 72r + 17$$
 **f**  $r^2 - 17r + 72$ 

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	$d^2 - 12d - 36$	
е	$d^2 + 12d - 36$	f	$d^2 - 36d - 36$	

Which answer is the same expression as this

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

a	$r^{2} + 4$	<b>b</b> $r^2 + 4r - 4$	
C	$r^2 + 4r - 4$	d $r^2-4$	
е	$r^2 - 4r - 4$	<b>f</b> $r^2 - 4r - 4$	

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**  $x^2 + 12x - 36$ 

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**  $z^2 + 3z - 40$ 

Which answer is the same expression as this

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

	_		_	
а	$x^2 + 4x - 4$	b	$x^{2} + 4$	
_	2 . 4 . 4	А	2 4	

e 
$$x^2 + 4x - 4$$
 f  $x^2 - 4x - 4$