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Math worksheet on *'Algebraic Functions - Multiply Bracketed Terms, Same Variable (Level 4)'*. Part of a broader unit on *'Polynomials and Quadratics - Intro'*

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1 Which answer is the same expression as this

$$(2y - 2)(3y - 5)$$

a	$6y^2 + 16y - 10$	b	$6y^2 + 10y + 16$
c	$6y^2 - 16y + 10$	d	$16y^2 + 10y - 16$
e	$6y^2 + 16y + 10$	f	$16y^2 - 10y + 16$

2 Which answer is the same expression as this

$$(2r - 9)(4r - 9)$$

a	$54r^2 + 81r - 54$	b	$8r^2 - 54r + 81$
c	$54r^2 - 81r + 54$	d	$8r^2 + 54r - 81$
e	$8r^2 + 54r + 81$	f	$8r^2 + 81r + 54$

3 Which answer is the same expression as this $(9r - 8)(6r - 6)$

a	$54r^2 - 102r + 48$	b	$102r^2 - 48r + 102$
c	$54r^2 + 102r - 48$	d	$54r^2 + 48r + 102$
e	$54r^2 + 102r + 48$	f	$102r^2 + 48r - 102$

4 Which answer is the same expression as this

$$(5x - 5)(7x - 5)$$

a	$35x^2 + 60x + 25$	b	$35x^2 + 60x - 25$
c	$35x^2 + 25x + 60$	d	$60x^2 - 25x + 60$
e	$60x^2 + 25x - 60$	f	$35x^2 - 60x + 25$

5 Which answer is the same expression as this $(7r - 6)(9r - 7)$

a	$103r^2 - 42r + 103$	b	$63r^2 - 103r + 42$
c	$103r^2 + 42r - 103$	d	$63r^2 + 103r + 42$
e	$63r^2 + 42r + 103$	f	$63r^2 + 103r - 42$

6 Which answer is the same expression as this

$$(7r - 2)(6r + 3)$$

a	$42r^2 - 42r - 6$	b	$6r^2 - 6r - 6$
c	$42r^2 + 9r - 6$	d	$42r^2 + 42r - 6$
e	$42r^2 + 42r - 6$	f	$6r^2 + 42r + 6$

7 Which answer is the same expression as this

$$(8z - 6)(2z + 3)$$

a	$16z^2 + 16z - 18$	b	$16z^2 - 16z - 18$
c	$16z^2 + 16z - 18$	d	$18z^2 - 18z - 18$
e	$18z^2 + 16z + 18$	f	$16z^2 + 12z - 18$