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Math worksheet on *'Algebraic Functions - Same Variable Times Bracketed Terms (Level 2)'*. Part of a broader unit on *'Algebra Manipulating Variables - Advanced'*

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1 Which answer is the same expression as this

$$z(7z - 3)$$

a	$7z^2 + 7z$	b	$7z^2 - 10z$
c	$7z^2 - 3z$	d	$7z^2 + 10z$
e	$7z^2 - 21z$	f	$7z^2 + 3z$

2 Which answer is the same expression as this

$$9x(x + 9)$$

a	$9x^2 - 18x$	b	$9x^2 - 9x$
c	$9x^2 + 9x$	d	$9x^2 + 81x$
e	$9x^2 - 81x$	f	$9x^2 + 18x$

3 Which answer is the same expression as this

$$d(7 - 7d)$$

a	$7d - 7d^2$	b	$7d + 2d^2$
c	$7d - d^2$	d	$7d - 2d$
e	$14d - 7d^2$	f	$d + 7$

4 Which answer is the same expression as this

$$b(4 - 8b)$$

a	$b + 4$	b	$4b + 2b^2$
c	$12b - 4b^2$	d	$4b - b^2$
e	$4b - 2b$	f	$4b - 8b^2$

5 Which answer is the same expression as this

$$x(2x - 7)$$

a	$2x^2 - 9x$	b	$2x^2 - 14x$
c	$2x^2 + 7x$	d	$2x^2 + 9x$
e	$2x^2 - 7x$	f	$2x^2 + 2x$

6 Which answer is the same expression as this

$$9d(d + 7)$$

a	$9d^2 + 9d$	b	$9d^2 + 16d$
c	$9d^2 + 63d$	d	$9d^2 - 63d$
e	$9d^2 - 7d$	f	$9d^2 - 16d$

7 Which answer is the same expression as this

$$7r(r + 5)$$

a	$7r^2 + 12r$	b	$7r^2 - 35r$
c	$7r^2 + 7r$	d	$7r^2 - 5r$
e	$7r^2 + 35r$	f	$7r^2 - 12r$