Mobius Math Club   Name:_____

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Math worksheet on *'Algebraic Functions - Value 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

$$5(2x + 8)$$

a	$10x + 5$	b	$5x + 10$
c	$10x + 40$	d	$10x - 10$
e	$5x - 40$	f	$5x - 10$

2 Which answer is the same expression as this

$$4(8c - 2)$$

a	$4c + 8$	b	$4c - 32$
c	$32c + 8$	d	$32c - 8$
e	$c^4 + 8$	f	$32c + 32$

3 Which answer is the same expression as this

$$5(9z - 4)$$

a	$5z + 20$	b	$45z + 20$
c	$45z - 20$	d	$45z + 45$
e	$5z - 45$	f	$z^5 + 20$

4 Which answer is the same expression as this

$$7(8y - 6)$$

a	$7y + 42$	b	$56y + 56$
c	$56y - 42$	d	$y^7 + 42$
e	$56y + 42$	f	$7y - 56$

5 Which answer is the same expression as this

$$8(5c - 3)$$

a	$40c + 40$	b	$c^8 + 24$
c	$40c - 24$	d	$8c - 40$
e	$40c + 24$	f	$8c + 24$

6 Which answer is the same expression as this

$$5(2z - 7)$$

a	$z^5 + 35$	b	$10z + 35$
c	$5z + 35$	d	$10z + 10$
e	$10z - 35$	f	$5z - 10$

7 Which answer is the same expression as this

$$6(7z + 2)$$

a	$6z - 42$	b	$6z + 42$
c	$42z + 12$	d	$42z - 42$
e	$6z - 12$	f	$42z + 6$