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Math worksheet on *'Algebraic Functions - Simplify to Bracketed Terms, Different Variables (Level 1)'*. Part of a broader unit on *'Polynomials and Quadratics - Practice'*

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1 Which answer is the same expression as this

$$cn + 4n + 4c + 16$$

a	$(c+4)(n+8)$	b	$(c+16)(n+8)$
c	$(c+4)(n+4)$	d	$(c+4)(n-4)$
e	$(c-4)(n+4)$	f	$(c+16)(n+4)$

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2 Which answer is the same expression as this

$$bm + 4m + 4b + 16$$

a	$(b+4)(m-4)$	b	$(b+4)(m+8)$
c	$(b+4)(m+4)$	d	$(b+16)(m+4)$
e	$(b-4)(m+4)$	f	$(b+16)(m+8)$

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3 Which answer is the same expression as this

$$bx + 8x + 6b + 48$$

a	$(b+48)(x+6)$	b	$(b+48)(x+14)$
c	$(b-8)(x+6)$	d	$(b+8)(x-6)$
e	$(b+8)(x+6)$	f	$(b+8)(x+14)$

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4 Which answer is the same expression as this

$$bn + 3n + 7b + 21$$

a	$(b+3)(n-7)$	b	$(b+3)(n+10)$
c	$(b-3)(n+7)$	d	$(b+21)(n+7)$
e	$(b+21)(n+10)$	f	$(b+3)(n+7)$

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5 Which answer is the same expression as this

$$cz + 7z + 6c + 42$$

a	$(c-7)(z+6)$	b	$(c+7)(z+6)$
c	$(c+7)(z-6)$	d	$(c+7)(z+13)$
e	$(c+42)(z+6)$	f	$(c+42)(z+13)$

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6 Which answer is the same expression as this

$$nb + 7b + 4n + 28$$

a	$(n-7)(b+4)$	b	$(n+7)(b-4)$
c	$(n+7)(b+11)$	d	$(n+28)(b+4)$
e	$(n+7)(b+4)$	f	$(n+28)(b+11)$

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7 Which answer is the same expression as this

$$rz + 2z + 8r + 16$$

a	$(r+2)(z-8)$	b	$(r+2)(z+8)$
c	$(r+16)(z+10)$	d	$(r-2)(z+8)$
e	$(r+2)(z+10)$	f	$(r+16)(z+8)$