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Math worksheet on *'Algebraic Functions - Factor the Quadratic Equation (Level 1)'*. Part of a broader unit on *'Polynomials and Quadratics - Advanced'*

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1 Which answer is the same expression as this

$$p^2 + 10p + 24$$

a	$(p-6)(24p+4)$	b	$(24p-6)(p+4)$
c	$(p+6)(p-4)$	d	$(p+6)(p+4)$
e	$(2p-6)(p+4)$	f	$(p-6)(p-4)$

2 Which answer is the same expression as this

$$b^2 + 5b + 6$$

a	$(b+2)(b-3)$	b	$(b-2)(6b+3)$
c	$(b-2)(b-3)$	d	$(b+2)(b+3)$
e	$(1b-2)(b+3)$	f	$(6b-2)(b+3)$

3 Which answer is the same expression as this

$$c^2 + 7c + 12$$

a	$(c-4)(c-3)$	b	$(1c-4)(c+3)$
c	$(c-4)(12c+3)$	d	$(c+4)(c-3)$
e	$(c+4)(c+3)$	f	$(12c-4)(c+3)$

4 Which answer is the same expression as this

$$z^2 + 5z + 6$$

a	$(z+3)(z-2)$	b	$(z-3)(z-2)$
c	$(6z-3)(z+2)$	d	$(1z-3)(z+2)$
e	$(z-3)(6z+2)$	f	$(z+3)(z+2)$

5 Which answer is the same expression as this

$$c^2 + 9c + 20$$

a	$(c-4)(20c+5)$	b	$(c+4)(c+5)$
c	$(c+4)(c-5)$	d	$(20c-4)(c+5)$
e	$(c-4)(c-5)$	f	$(1c-4)(c+5)$

6 Which answer is the same expression as this

$$y^2 + 8y + 15$$

a	$(2y-5)(y+3)$	b	$(y-5)(15y+3)$
c	$(y+5)(y+3)$	d	$(y+5)(y-3)$
e	$(y-5)(y-3)$	f	$(15y-5)(y+3)$

7 Which answer is the same expression as this

$$r^2 + 10r + 21$$

a	$(r+7)(r-3)$	b	$(r-7)(r-3)$
c	$(r-7)(21r+3)$	d	$(4r-7)(r+3)$
e	$(21r-7)(r+3)$	f	$(r+7)(r+3)$

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