



Math worksheet on 'Algebraic Functions - Factor the Quadratic Equation (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

$$n^2 + 8n + 12$$

a

$$(4n - 6)(n + 2)$$

b

$$(n - 6)(12n + 2)$$

c

$$(12n - 6)(n + 2)$$

d

$$(n - 6)(n - 2)$$

e

$$(n + 6)(n - 2)$$

f

$$(n + 6)(n + 2)$$

2

Which answer is the same expression as this

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

a

$$(c - 4)(12c + 3)$$

b

$$(1c - 4)(c + 3)$$

c

$$(c - 4)(c - 3)$$

d

$$(c + 4)(c - 3)$$

e

$$(c + 4)(c + 3)$$

f

$$(12c - 4)(c + 3)$$

3

Which answer is the same expression as this

$$p^2 + 7p + 10$$

a

$$(p - 5)(p - 2)$$

b

$$(10p - 5)(p + 2)$$

c

$$(p + 5)(p + 2)$$

d

$$(p + 5)(p - 2)$$

e

$$(3p - 5)(p + 2)$$

f

$$(p - 5)(10p + 2)$$

4

Which answer is the same expression as this

$$r^2 + 14r + 45$$

a

$$(4r - 9)(r + 5)$$

b

$$(r + 9)(r + 5)$$

c

$$(r - 9)(45r + 5)$$

d

$$(r - 9)(r - 5)$$

e

$$(r + 9)(r - 5)$$

f

$$(45r - 9)(r + 5)$$

5

Which answer is the same expression as this

$$c^2 + 10c + 24$$

a

$$(24c - 4)(c + 6)$$

b

$$(c + 4)(c + 6)$$

c

$$(c - 4)(24c + 6)$$

d

$$(c + 4)(c - 6)$$

e

$$(2c - 4)(c + 6)$$

f

$$(c - 4)(c - 6)$$

6

Which answer is the same expression as this

$$d^2 + 13d + 40$$

a

$$(d + 5)(d + 8)$$

b

$$(40d - 5)(d + 8)$$

c

$$(d - 5)(d - 8)$$

d

$$(d - 5)(40d + 8)$$

e

$$(3d - 5)(d + 8)$$

f

$$(d + 5)(d - 8)$$

7

Which answer is the same expression as this

$$c^2 + 11c + 28$$

a

$$(28c - 7)(c + 4)$$

b

$$(3c - 7)(c + 4)$$

c

$$(c + 7)(c - 4)$$

d

$$(c + 7)(c + 4)$$

e

$$(c - 7)(c - 4)$$

f

$$(c - 7)(28c + 4)$$