



Algebraic Functions - Simplify to Bracketed Terms, Different Variables



1

Which answer is the same expression as this

$$nm + 9m + 8n + 72$$

A $(n + 9)(m + 17)$

B $(n - 9)(m + 8)$

C $(n + 9)(m - 8)$

D $(n + 9)(m + 8)$

E $(n + 72)(m + 17)$

F $(n + 72)(m + 8)$

2

Which answer is the same expression as this

$$xz + 3z + 4x + 12$$

A $(x + 12)(z + 4)$

B $(x + 12)(z + 7)$

C $(x + 3)(z - 4)$

D $(x + 3)(z + 4)$

E $(x + 3)(z + 7)$

F $(x - 3)(z + 4)$

3

Which answer is the same expression as this

$$dy + 6y + 7d + 42$$

A $(d + 6)(y + 13)$

B $(d + 6)(y - 7)$

C $(d + 42)(y + 7)$

D $(d + 42)(y + 13)$

E $(d - 6)(y + 7)$

F $(d + 6)(y + 7)$

4

Which answer is the same expression as this

$$dy + 7y - 7d - 49$$

A $(d - 49)(y + 14)$

B $(d + 7)(y + 7)$

C $(d + 49)(y - 7)$

D $(d + 7)(y - 7)$

E $(d - 7)(y + 7)$

F $(d + 7)(y - 14)$

5

Which answer is the same expression as this

$$zr + 7r - 3z - 21$$

A $(z + 7)(r + 3)$

B $(z - 21)(r + 10)$

C $(z - 7)(r + 3)$

D $(z + 21)(r - 3)$

E $(z + 7)(r - 10)$

F $(z + 7)(r - 3)$

6

Which answer is the same expression as this

$$bd + 9d - 3b - 27$$

A $(b + 9)(d - 3)$

B $(b + 9)(d + 3)$

C $(b - 9)(d + 3)$

D $(b - 27)(d + 12)$

E $(b + 9)(d - 12)$

F $(b + 27)(d - 3)$

7

Which answer is the same expression as this

$$md - 5d - 3m + 15$$

A $(m + 5)(d + 3)$

B $(m + 5)(d - 3)$

C $(m - 5)(d + 3)$

D $(m + 15)(d - 3)$

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

F $(m - 5)(d - 3)$

8

Which answer is the same expression as this

$$yn + 8n - 3y - 24$$

A $(y + 8)(n - 3)$

B $(y + 24)(n - 3)$

C $(y + 8)(n + 3)$

D $(y - 24)(n + 11)$

E $(y + 8)(n - 11)$

F $(y - 8)(n + 3)$