



Algebraic Functions - Multiply Bracketed Terms, Same Variable

1 Which answer is the same expression as this

$$(8x - 9)(9x + 2)$$

A $18x^2 + 72x + 18$

B $18x^2 + 18x - 18$

C $72x^2 - 72x - 18$

D $72x^2 + 72x - 18$

E $72x^2 + x + 18$

F $72x^2 - 65x - 18$

3 Which answer is the same expression as this

$$(5q - 7)(6q - 8)$$

A $82q^2 + q + 56$

B $7q^2 + 56q - 82$

C $30q^2 + 82q - 56$

D $30q^2 - 82q + 56$

E $6q^2 + 82q - 56$

F $82q^2 - q + 56$

5 Which answer is the same expression as this $(8r - 8)(8r - 6)$

A $64r^2 - 112r + 48$

B $48r^2 + 112r + 2$

C $64r^2 + 112r + 48$

D $8r^2 + 112r - 48$

E $8r^2 + 48r + 112$

F $112r^2 + 112r + 48$

7 Which answer is the same expression as this

$$(3m - 5)(2m - 8)$$

A $34m^2 + 40m - 34$

B $6m^2 + 40m + 34$

C $2m^2 + 34m - 40$

D $40m^2 - 34m + 3$

E $5m^2 + 40m - 34$

F $6m^2 - 34m + 40$

2 Which answer is the same expression as this

$$(9q - 5)(3q - 2)$$

A $9q^2 + 10q + 33$

B $27q^2 + 33q - 10$

C $33q^2 + 10q - 33$

D $27q^2 - 33q + 10$

E $5q^2 + 10q - 33$

F $33q^2 + q + 10$

4 Which answer is the same expression as this

$$(8y - 2)(4y - 4)$$

A $8y^2 + 8y + 40$

B $32y^2 + 40y - 8$

C $40y^2 + 8y - 40$

D $40y^2 - 8y + 40$

E $32y^2 - 40y + 8$

F $4y^2 + 40y - 8$

6 Which answer is the same expression as this

$$(2q - 5)(6q + 3)$$

A $12q^2 - 24q - 15$

B $15q^2 + 12q + 11$

C $15q^2 - 12q + 15$

D $15q^2 - 12q + 11$

E $2q^2 + 15q + 15$

F $15q^2 + 15q - 15$

8 Which answer is the same expression as this

$$(7t - 2)(8t + 3)$$

A $7t^2 - 6t + 56$

B $7t^2 - 6t + 6$

C $6t^2 - 6t - 6$

D $56t^2 + 56t - 6$

E $56t^2 - t + 6$

F $56t^2 + 5t - 6$