



Algebraic Functions - Multiply Bracketed Terms, Different Variables



1 Which answer is the same expression as this $(c + 7)(d + 5)$

^A $cd + 5d + 7c + 35$ ^B $cd + 35d + 5c + 7$

^C $cd + 7d + 5c + 35$ ^D $cd + 12d + 5c + 7$

^E $cd + 5d + 12c + 7$

2 Which answer is the same expression as this $(b - 9)(c + 7)$

^A $bc + 9c + 7b - 16$ ^B $bc + 16c - 7b + 9$

^C $bc + 7c + 16b + 9$ ^D $bc + 9c - 7b + 16$

^E $bc - 9c + 7b - 63$

3 Which answer is the same expression as this $(z - 2)(y - 3)$

^A $3zy + 2y + 3z + 6$ ^B $zy + 2y - 3z + 6$

^C $zy + 2y + 3z - 5$ ^D $2zy + 2y + 3z + 6$

^E $zy - 3y + 6z + 2$

4 Which answer is the same expression as this $(z - 3)(y - 9)$

^A $3zy + 3y - 9z + 12$ ^B $zy + 3y + 9z - 12$

^C $zy + 27y - 9z + 3$ ^D $zy + 3y - 9z + 27$

^E $zy + 12y - 9z + 3$

5 Which answer is the same expression as this $(b + 8)(c - 7)$

^A $8bc + 8c - 7b + 15$ ^B $bc + 8c + 7b - 15$

^C $bc - 8c - 7b + 56$ ^D $bc - 7c + 56b + 8$

^E $bc + 8c - 7b - 56$

6 Which answer is the same expression as this $(b - 6)(n + 9)$

^A $bn - 6n - 9b + 54$ ^B $bn + 6n + 9b + 54$

^C $bn + 6n - 9b + 15$ ^D $bn - 6n + 9b - 54$

^E $bn + 9n - 6b - 54$

7 Which answer is the same expression as this $(m + 5)(d + 7)$

^A $md + 5d + 7m + 35$ ^B $5md + 5d + 7m + 35$

^C $md + 35d + 7m + 5$ ^D $md + 12d + 7m + 5$

^E $md + 7d + 5m + 35$

8 Which answer is the same expression as this $(n - 6)(z + 8)$

^A $nz + 8z + 14n + 6$ ^B $nz + 6z + 8n - 14$

^C $nz - 8z + 48n + 6$ ^D $nz + 6z - 8n - 48$

^E $nz - 6z + 8n - 48$