



Math worksheet on 'Algebraic Functions - Multiply Bracketed Terms, Different Variables (Level 3)'. Part of a broader unit on 'Polynomials and Quadratics - Intro'

Learn online: app.mobius.academy/math/units/polynomials_and_quadratics_intro/

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Which answer is the same expression as this $(z + 2)(8x + 7)$

a $8zx + 14x + 7z + 2$	b $8zx + 16x + 7z + 2$
c $8zx + 16x + 7z + 14$	d $8zx + 7x + 14z + 2$
e $zx + 14x + 7z + 2$	f $82zx + 2x + 7z + 14$

1

Which answer is the same expression as this $(8m + 6)(x + 9)$

a $8mx + 9x + 54m + 6$	b $mx + 54x + 9m + 6$
c $8mx + 54x + 9m + 6$	d $8mx + 6x + 72m + 54$
e $6mx + 6x + 9m + 54$	f $8mx + 72x + 9m + 6$

3

Which answer is the same expression as this $(8d + 4)(z + 9)$

a $8dz + 9z + 36d + 4$	b $dz + 36z + 9d + 4$
c $8dz + 36z + 9d + 4$	d $8dz + 72z + 9d + 4$
e $84dz + 4z + 9d + 36$	f $8dz + 4z + 72d + 36$

4

Which answer is the same expression as this $(y + 4)(5b + 6)$

a $54yb + 4b + 6y + 24$	b $5yb + 20b + 6y + 24$
c $5yb + 6b + 24y + 4$	d $5yb + 24b + 6y + 4$
e $5yb + 20b + 6y + 4$	f $yb + 24b + 6y + 4$

5

Which answer is the same expression as this $(9d + 5)(c + 9)$

a $9dc + 5c + 81d + 45$	b $9dc + 9c + 45d + 5$
c $9dc + 45c + 9d + 5$	d $9dc + 81c + 9d + 5$
e $dc + 45c + 9d + 5$	f $95dc + 5c + 9d + 45$

6

Which answer is the same expression as this $(3n + 2)(r + 5)$

a $nr + 10r + 5n + 2$	b $3nr + 10r + 5n + 2$
c $32nr + 2r + 5n + 10$	d $3nr + 5r + 10n + 2$
e $3nr + 15r + 5n + 2$	f $3nr + 2r + 15n + 10$

7

Which answer is the same expression as this $(p + 8)(9b + 9)$

a $pb + 72b + 9p + 8$	b $98pb + 8b + 9p + 72$
c $9pb + 9b + 72p + 8$	d $9pb + 72b + 9p + 8$
e $9pb + 72b + 9p + 8$	f $9pb + 72b + 9p + 72$