



Math worksheet on 'Algebraic Functions - Multiply Bracketed Terms, Different Variables (Level 3)'. Part of a broader unit on 'Algebra Manipulating Variables - Advanced'

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Which answer is the same expression as this $(2c + 6)(b + 7)$

a $cb + 42b + 7c + 6$	b $2cb + 42b + 7c + 6$
c $2cb + 14b + 7c + 6$	d $2cb + 7b + 42c + 6$
e $26cb + 6b + 7c + 42$	f $2cb + 6b + 14c + 42$

1

Which answer is the same expression as this $(c + 3)(6n + 6)$

a $cn + 18n + 6c + 3$	b $6cn + 18n + 6c + 3$
c $63cn + 3n + 6c + 18$	d $6cn + 18n + 6c + 3$
e $6cn + 18n + 6c + 18$	f $6cn + 6n + 18c + 3$

3

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

a $6nb + 4b + 16n + 4$	b $6nb + 24b + 4n + 16$
c $6nb + 16b + 4n + 4$	d $nb + 16b + 4n + 4$
e $64nb + 4b + 4n + 16$	f $6nb + 24b + 4n + 4$

4

Which answer is the same expression as this $(b + 4)(8c + 8)$

a $8bc + 32c + 8b + 4$	b $84bc + 4c + 8b + 32$
c $8bc + 32c + 8b + 4$	d $bc + 32c + 8b + 4$
e $8bc + 8c + 32b + 4$	f $8bc + 32c + 8b + 32$

5

Which answer is the same expression as this $(y + 8)(7p + 8)$

a $7yp + 56p + 8y + 64$	b $7yp + 8p + 64y + 8$
c $78yp + 8p + 8y + 64$	d $7yp + 56p + 8y + 8$
e $yp + 64p + 8y + 8$	f $7yp + 64p + 8y + 8$

6

Which answer is the same expression as this $(9b + 9)(z + 3)$

a $9bz + 9z + 27b + 27$	b $9bz + 3z + 27b + 9$
c $9bz + 27z + 3b + 9$	d $9bz + 27z + 3b + 9$
e $bz + 27z + 3b + 9$	f $99bz + 9z + 3b + 27$

7

Which answer is the same expression as this $(b + 3)(6y + 3)$

a $by + 9y + 3b + 3$	b $6by + 18y + 3b + 3$
c $63by + 3y + 3b + 9$	d $6by + 9y + 3b + 3$
e $6by + 18y + 3b + 9$	f $6by + 3y + 9b + 3$