



Math worksheet on 'Algebraic Functions - Multiply Bracketed Terms, Different Variables (Level 4)'. Part of a broader unit on 'Polynomials and Quadratics - Intro'

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

2

Which answer is the same expression as this $(7x + 6)(p - 7)$

a $xp - 6p - 7x + 42$	b $7xp + 6p - 49x - 42$
c $7xp - 6p + 7x - 42$	d $7xp - 6p - 7x + 42$
e $7p - 7x - 42 - xp$	f $7xp + 42p - 7x + 6$

4

Which answer is the same expression as this $(b - 9)(2n + 6)$

a $2bn - 18n + 6b - 54$	b $2bn + 54n - 6b + 9$
c $2bn - 9n - 6b + 54$	d $2bn + 9n - 6b - 54$
e $bn - 9n - 6b + 54$	f $2n - 6b - 54 - bn$

6

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

a $rn - 7n - 5r + 35$	b $8n - 5r - 35 - rn$
c $8rn + 35n - 5r + 7$	d $8rn - 56n + 5r - 35$
e $8rn - 7n - 5r + 35$	f $8rn + 7n - 5r - 35$

1

Which answer is the same expression as this $(3c - 6)(y - 2)$

a $cy - 6y - 2c - 12$	b $3y - 2c - 12 - cy$
c $3cy + 6y - 6c + 12$	d $3cy - 6y - 2c - 12$
e $3cy + 12y - 2c + 6$	f $3cy + 6y + 2c - 12$

3

Which answer is the same expression as this $(7m - 4)(b - 8)$

a $7mb - 4b - 8m - 32$	b $mb - 4b - 8m - 32$
c $7mb + 4b + 8m - 32$	d $7mb + 32b - 8m + 4$
e $7mb + 4b - 56m + 32$	f $7b - 8m - 32 - mb$

5

Which answer is the same expression as this $(4z - 8)(m - 5)$

a $4m - 5z - 40 - zm$	b $4zm + 8m + 5z - 40$
c $4zm - 8m - 5z - 40$	d $4zm + 8m - 20z + 40$
e $4zm + 40m - 5z + 8$	f $zm - 8m - 5z - 40$

7

Which answer is the same expression as this $(5y - 8)(c - 2)$

a $5yc - 8c - 2y - 16$	b $5yc + 16c - 2y + 8$
c $5yc + 8c - 10y + 16$	d $5yc + 8c + 2y - 16$
e $5c - 2y - 16 - yc$	f $yc - 8c - 2y - 16$