



Math worksheet on 'Algebraic Functions - Multiply Bracketed Terms, Different Variables (Level 2)'. Part of a broader unit on 'Polynomials and Quadratics - Intro'

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**2** Which answer is the same expression as this  $(n + 4)(d + 4)$

<b>a</b> $nd + 16d + 4n + 4$	<b>b</b> $nd + 4d + 4n + 16$
<b>c</b> $nd + 4d + 16n + 4$	<b>d</b> $nd + 4d + 8n + 4$
<b>e</b> $4nd + 4d + 4n + 16$	<b>f</b> $nd + 8d + 4n + 4$

**1** Which answer is the same expression as this  $(m - 6)(y - 6)$

<b>a</b> $my + 6y + 6m - 36$	<b>b</b> $6y - 6m - 36 - my$
<b>c</b> $my - 6y - 6m - 36$	<b>d</b> $my + 36y - 6m + 6$
<b>e</b> $my - 6y + 36m + 6$	<b>f</b> $my + 6y - 6m + 36$

**3** Which answer is the same expression as this  $(n + 9)(y - 5)$

<b>a</b> $ny - 9y - 5n + 45$	<b>b</b> $ny - 9y + 5n - 45$
<b>c</b> $ny + 9y - 5n - 45$	<b>d</b> $9y - 5n - 45 - ny$
<b>e</b> $ny + 45y - 5n + 9$	<b>f</b> $ny - 5y + 45n + 9$

**4** Which answer is the same expression as this  $(d - 9)(c + 4)$

<b>a</b> $dc + 36c - 4d + 9$	<b>b</b> $dc - 4c + 36d + 9$
<b>c</b> $9c - 4d - 36 - dc$	<b>d</b> $dc - 9c + 4d - 36$
<b>e</b> $dc - 9c - 4d + 36$	<b>f</b> $dc + 9c - 4d - 36$

**5** Which answer is the same expression as this  $(b + 5)(z + 6)$

<b>a</b> $bz + 30z + 6b + 5$	<b>b</b> $5bz + 5z + 6b + 30$
<b>c</b> $bz + 6z + 11b + 5$	<b>d</b> $bz + 6z + 30b + 5$
<b>e</b> $bz + 11z + 6b + 5$	<b>f</b> $bz + 5z + 6b + 30$

**6** Which answer is the same expression as this  $(z + 2)(p - 9)$

<b>a</b> $zp + 18p - 9z + 2$	<b>b</b> $zp - 9p + 18z + 2$
<b>c</b> $2p - 9z - 18 - zp$	<b>d</b> $zp - 2p + 9z - 18$
<b>e</b> $zp - 2p - 9z + 18$	<b>f</b> $zp + 2p - 9z - 18$

**7** Which answer is the same expression as this  $(r - 9)(x + 8)$

<b>a</b> $rx - 9x - 8r + 72$	<b>b</b> $9x - 8r - 72 - rx$
<b>c</b> $rx + 9x - 8r - 72$	<b>d</b> $rx - 8x + 72r + 9$
<b>e</b> $rx + 72x - 8r + 9$	<b>f</b> $rx - 9x + 8r - 72$