



Math worksheet on 'Algebraic Functions - Same Variable Times Bracketed Terms (Level 1)'. Part of a broader unit on 'Algebra Manipulating Variables - Advanced'

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**1** Which answer is the same expression as this

$$r(r - 9)$$

<b>a</b>	$r^2 - 9r$	<b>b</b>	$2r - 9r$
<b>c</b>	$2r^2 - 9r$	<b>d</b>	$2r^2 + 9r$
<b>e</b>	$r + 9$	<b>f</b>	$r - 9$

**2** Which answer is the same expression as this

$$z(z - 9)$$

<b>a</b>	$z^2 - 9z$	<b>b</b>	$z + 9$
<b>c</b>	$2z - 9z$	<b>d</b>	$2z^2 - 9z$
<b>e</b>	$2z^2 + 9z$	<b>f</b>	$z - 9$

**3** Which answer is the same expression as this

$$n(n + 9)$$

<b>a</b>	$2n + 9n$	<b>b</b>	$n^2 + 9n$
<b>c</b>	$n + 9$	<b>d</b>	$2n^2 - 9n$
<b>e</b>	$n^2 - 9n$	<b>f</b>	$2n^2 + 9n$

**4** Which answer is the same expression as this

$$d(d - 6)$$

<b>a</b>	$2d^2 - 6d$	<b>b</b>	$2d^2 + 6d$
<b>c</b>	$d^2 - 6d$	<b>d</b>	$2d - 6d$
<b>e</b>	$d - 6$	<b>f</b>	$d + 6$

**5** Which answer is the same expression as this

$$y(y + 4)$$

<b>a</b>	$y^2 - 4y$	<b>b</b>	$2y^2 - 4y$
<b>c</b>	$2y^2 + 4y$	<b>d</b>	$2y + 4y$
<b>e</b>	$y + 4$	<b>f</b>	$y^2 + 4y$

**6** Which answer is the same expression as this

$$y(y + 3)$$

<b>a</b>	$y + 3$	<b>b</b>	$2y^2 - 3y$
<b>c</b>	$2y^2 + 3y$	<b>d</b>	$2y + 3y$
<b>e</b>	$y^2 - 3y$	<b>f</b>	$y^2 + 3y$

**7** Which answer is the same expression as this

$$p(p + 7)$$

<b>a</b>	$p^2 - 7p$	<b>b</b>	$2p^2 + 7p$
<b>c</b>	$p + 7$	<b>d</b>	$p^2 + 7p$
<b>e</b>	$2p^2 - 7p$	<b>f</b>	$2p + 7p$