



Expand special products of binomials

1 Which answer is the same expression as this
 $3(7r + 3)$

A $21r + 3$	B $21r + 9$
C $3r - 9$	D $21r - 21$
E $3r - 21$	F $r^3 + 9$

2 Which answer is the same expression as this
 $r(c + 8)$

A $rc + 8$	B $rc - 8$
C $rc + 8r$	D $r^2 + 8r$
E $r^2 - 8r$	F $rc - 8r$

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

A $z^2 - 3z$	B $z^2 + 3z$
C $3z^2 - 3z$	D $2z^2 - 3z$
E $z - 3$	F $z^3 + 3z$

4 Which answer is the same expression as this
 $(8n + 8)^2$

A $64n^2 + 64n + 128$	B $64n^2 + 128n + 64$
C $64n^2 + 128n - 64$	D $64n^2 - 128n + 24$
E $128n^2 - 128n + 64$	F $64n^2 - 128n + 64$

5 Which answer is the same expression as this
 $(2n - 9)(3n - 3)$

A $6n^2 - 33n + 27$	B $33n^2 + 27n - 33$
C $2n^2 + 27n + 33$	D $6n^2 + 33n + 27$
E $6n^2 + 27n + 33$	F $9n^2 + 27n - 33$

6 Which answer is the same expression as this
 $(2t + 4)^2$

A $4t^2 + 16t - 16$	B $16t^2 + 16t + 16$
C $16t^2 + 16t + 8$	D $t^2 - 16t + 16$
E $4t^2 + 16t + 16$	F $16t^2 + 16t - 16$

7 Which answer is the same expression as this
 $(5q - 7)(6q - 8)$

A $82q^2 + q + 56$	B $30q^2 + 82q - 56$
C $82q^2 - q + 56$	D $6q^2 + 82q - 56$
E $30q^2 - 82q + 56$	F $7q^2 + 56q - 82$

8 Which answer is the same expression as this
 $(9q + 3)^2$

A $q^2 + 9q - 54$	B $9q^2 + 9q + 54$
C $81q^2 + 54q + 9$	D $54q^2 - 54q + 9$
E $81q^2 + 54q - 9$	F $54q^2 + 9q + 54$

**Expand special products of binomials****9**

Which answer is the same expression as this
 $(9m - 6)(5m - 2)$

- | | |
|----------------------|----------------------|
| A $2m^2 - 12m + 48$ | B $45m^2 - 48m + 12$ |
| C $45m^2 + 48m - 12$ | D $6m^2 + 12m - 48$ |
| E $48m^2 - 12m + 48$ | F $12m^2 + 48m + 4$ |

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Which answer is the same expression as this
 $(6z + 4)^2$

- | | |
|----------------------|----------------------|
| A $z^2 + 16z - 48$ | B $16z^2 + 48z - 16$ |
| C $16z^2 - 48z + 16$ | D $36z^2 + 48z + 16$ |
| E $48z^2 + 48z - 16$ | F $16z^2 + 16z + 48$ |

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Which answer is the same expression as this
 $(5w - 3)(7w - 7)$

- | | |
|----------------------|----------------------|
| A $5w^2 + 21w + 56$ | B $56w^2 - w + 21$ |
| C $56w^2 + w + 21$ | D $35w^2 + 56w - 21$ |
| E $35w^2 - 56w + 21$ | F $7w^2 + 56w - 21$ |

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Which answer is the same expression as this
 $(4p + 7)^2$

- | | |
|----------------------|----------------------|
| A $56p^2 - 56p + 49$ | B $16p^2 - 56p + 49$ |
| C $49p^2 - 56p + 49$ | D $p^2 - 49p + 56$ |
| E $56p^2 + p + 49$ | F $16p^2 + 56p + 49$ |