

**Combine like terms informally****1**

Which answer is the same expression as this  
 $(4n + 9)(n - 7)$

A  $4n^2 - 16n - 63$

B  $9n^2 - 16n + 63$

C  $63n^2 - 16n + 23$

D  $n^2 - 63n + 16$

E  $7n^2 - 16n - 63$

F  $4n^2 - 19n - 63$

**2**

Which answer is the same expression as this  
 $(m - 8)(m + 9)$

A

$17m^2 + 1m - 72$

B

$m^2 + 1m - 72$

**3**

Which answer is the same expression as this  
 $(2p + 5)(p - 2)$

A  $5p^2 + 7p + 10$

B  $p^2 - 7p + 10$

C  $2p^2 + 7p - 10$

D  $p^2 - 1p + 10$

E  $2p^2 - 7p - 10$

F  $2p^2 + 1p - 10$

**4**

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

A

$3n^2 - 3n - 40$

B

$n^2 - 3n - 40$

**5**

Which answer is the same expression as this  
 $(m + 4)(6m + 7)$

A  $6m^2 + 31m - 28$

B  $m^2 + 28m + 31$

C  $6m^2 - 31m + 28$

D  $m^2 + 31m - 28$

E  $6m^2 + 28m + 31$

F  $6m^2 + 31m + 28$

**6**

Which answer is the same expression as this  
 $(z + 9)(z - 4)$

A

$z^2 + 5z - 36$

B

$36z^2 + 5z - 36$

**7**

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

A  $3y^2 + 12y + 12$

B  $12y^2 + 12y + 14$

C  $y^2 + 12y - 12$

D  $6y^2 + 12y - 12$

E  $y^2 - 12y + 12$

F  $12y^2 - 12y + 14$

**8**

Which answer is the same expression as this  
 $(p - 8)(p - 4)$

A

$12p^2 - 12p + 32$

B

$p^2 - 12p + 32$

**Combine like terms informally****9**

Which answer is the same expression as this

$$(m + 4)(6m + 8)$$

**A**  $8m^2 - 32m + 32$

**B**  $8m^2 + 32m - 32$

**C**  $6m^2 + 32m + 32$

**D**  $6m^2 + 32m - 32$

**E**  $m^2 + 32m - 32$

**F**  $m^2 + 32m + 32$

**10**

Which answer is the same expression as this

$$(w - 9)(w - 3)$$

**A**

$$27w^2 - 12w + 27$$

**B**

$$w^2 - 12w + 27$$

**11**

Which answer is the same expression as this

$$(y + 5)(8y + 5)$$

**A**  $8y^2 + 45y + 25$

**B**  $y^2 + 45y - 25$

**C**  $25y^2 + 45y + 15$

**D**  $y^2 + 25y + 45$

**E**  $45y^2 + y + 25$

**F**  $y^2 - 45y + 25$

**12**

Which answer is the same expression as this

$$(n + 2)(n + 9)$$

**A**

$$n^2 + 11n + 18$$

**B**

$$11n^2 + 11n + 18$$