



## Recognize equivalent polynomial expressions

**1**

$13 \times 4$

A  $(10 \times 4) + (3 \times 4)$

B  $(10 \times 8) + (3 \times 15)$

C  $(10 + 4) \times (3 + 4)$

D  $(10 \times 4) + (3 + 4)$

E  $(10 \times 9) + (3 \times 17)$

F  $(10 \times 18) + (3 \times 23)$

**2**

Which pair of terms are like terms?

$-8x^2 - 3x^2 + 1 + 9x$

A  $[-8x^2] - [3x^2] + 1 + 9x$

B  $[-8x^2] - 3x^2 + 1 + [9x]$

C  $-8x^2 - [3x^2] + 1 + [9x]$

D  $[-8x^2] - 3x^2 + [1] + 9x$

**3**

Are the boxed terms like terms?

$-[2y] - 3xy + [6xy] - 3y^2 - 4$

A  
NoB  
Yes**4**

Are the boxed terms like terms?

$7x^2 + \frac{3}{4}y^2 - 5y + [5x^2y^2] - [\frac{2}{3}x^2y^2]$

A  
NoB  
Yes**5**

Which answer is the same expression as this

$3(c - 6)$

A  $3c + 18$

B  $3c + 9$

C  $3c - 9$

D  $3c - 18$

E  $c^3 + 18$

**6**

Which answer is the same expression as this

$n(6 - p)$

A  $np - 6$

B  $6p - 6n$

C  $6n + np$

D  $np + 6$

E  $6n - np$

F  $n^2 + 6n$

**7**

Which answer is the same expression as this

$r(r - 6)$

A  $r^2 - 6r$

B  $2r^2 - 6r$

C  $6r^2 - 6r$

D  $r^6 - 6r$

E  $2r^2 + 6r$

F  $r - 6$

**8**

Which answer is the same expression as this

$yt + 4y$

A  $y(t - 4)$

B  $y(t + 4)$

**Recognize equivalent polynomial expressions****9**

Which answer is the same expression as this

$$t^2 + 3t$$

A

$$3t + t$$

B

$$t(t + 3)$$

**10**

Which answer is the same expression as this

$$(w + 7)(m - 8)$$

A

$$wm + 8m - 7w - 56$$

B

$$wm + 7m - 8w - 56$$

**11**

Which answer is the same expression as this

$$(n - 8)(n + 5)$$

A

$$3n^2 - 3n - 40$$

B

$$n^2 - 3n - 40$$

**12**

Which answer is the same expression as this

$$(4p + 8)(p - 6)$$

A

$$4p^2 - 16p - 48$$

B

$$14p^2 + p + 48$$

C

$$p^2 - 48p + 14$$

D

$$4p^2 + 14p - 48$$

E

$$6p^2 - 14p - 48$$

F

$$4p^2 - 14p - 48$$

**13**

Which answer is the same expression as this

$$(9p + 2)(x - 7)$$

A

$$9px - 2x + 7p - 14$$

B

$$9x - 7p - 14 - px$$

C

$$px - 7x + 14p + 2$$

D

$$7px + 2x + 7p + 14$$

E

$$2px + 2x + 7p + 14$$

F

$$9px + 2x - 63p - 14$$

**14**

Simplify by combining like terms.

$$-4x^2 - 4x^3 + 2x^3 + 6x - 6$$

A

$$-4x^3 + 2x^3 - 4x^2 + 6x - 6$$

B

$$-6x^3 - 4x^2 + 6x - 6$$

C

$$-4x^3 - 4x^2 + 6x - 6$$

D

$$-2x^3 - 4x^2 + 6x - 6$$

**15**

Which answer is the same expression as this

$$pt + 2t + 8p + 16$$

A

$$(p + 2)(t + 8)$$

B

$$(p + 2)(t + 6)$$

**16**

Which answer is the same expression as this

$$w^2 - 15w + 54$$

A

$$(w - 6)(w - 9)$$

B

$$(w + 6)(w + 9)$$

C

$$(54w - 6)(w + 9)$$

D

$$(w + 6)(54w - 9)$$

E

$$(w + 6)(w - 9)$$