

EduSahara™ Learning Center Assignment**Grade : Class VIII, SSC****Chapter : Algebraic Expressions****Name : Polynomial Expressions****Licensed To : Teachers and Students for non-commercial use**

If $A = (3d^2 - 3d - 4)$, $B = (-3d^2 + 5d - 3)$ and

1.

$C = (3d^2 + 2d + 3)$ then $(-3A + 2B - C) =$

(i) $(-18d^2 + 17d + 3)$ (ii) $(-18d^2 + 19d + 3)$ (iii) $(-17d^2 + 17d + 3)$

(iv) $(-19d^2 + 17d + 3)$ (v) $(-18d^2 + 15d + 3)$

If $A = (3l + m - 4)$, $B = (-2lm + 5l + 2m)$ and

2.

$C = (-2lm - 4l - 4m)$ then $(-2A - B - 2C) =$

(i) $(7lm - 3l + 4m + 8)$

(ii) $(6lm - 3l + 4m + 8)$

(iii) $(6lm - l + 4m + 8)$

(iv) $(6lm - 5l + 4m + 8)$

(v) $(5lm - 3l + 4m + 8)$

If $A = (2wx - 5)$, $B = (5vw + 5wx)$ and

3.

$C = (-2v + 2wx)$ then $(A - 2B + 2C) =$

(i) $(-11vw - 4v - 4wx - 5)$

(ii) $(-10vw - v - 4wx - 5)$

(iii) $(-10vw - 6v - 4wx - 5)$

(iv) $(-9vw - 4v - 4wx - 5)$

(v) $(-10vw - 4v - 4wx - 5)$

If $A = (-2pq + 2q + 4)$, $B = (-pq - p + 3q)$ and
4.

$C = (3pq - p + 5q)$ then $(2A + 2B + 2C) =$

(i) $(-4p + 17q + 8)$ (ii) $(-4p + 20q + 8)$ (iii) $(-4p + 23q + 8)$

(iv) $(-3p + 20q + 8)$ (v) $(-5p + 20q + 8)$

If $A = (l^2 + 3l + 3)$, $B = (-l^2 - 2l - 8)$ and
5.

$C = (-4l^2 + 7l - 3)$ then $(3A - 2B - 3C) =$

(i) $(17l^2 - 5l + 34)$ (ii) $(16l^2 - 8l + 34)$ (iii) $(18l^2 - 8l + 34)$

(iv) $(17l^2 - 8l + 34)$ (v) $(17l^2 - 10l + 34)$

If $A = (wx + 3w - 5x)$, $B = (wx - 4w - 5x)$ and
6.

$C = (wx - 4x - 1)$ then $(A - 2B - C) =$

(i) $(-2wx + 8w + 9x + 1)$

(ii) $(-2wx + 13w + 9x + 1)$

(iii) $(-wx + 11w + 9x + 1)$

(iv) $(-2wx + 11w + 9x + 1)$

(v) $(-3wx + 11w + 9x + 1)$

If $A = (-wy - 2w)$, $B = (-2wx - 5y)$ and
7.

$C = (-3wxy - 3)$ then $(-2A - 3B - C) =$

(i) $(3wxy + 8wx + 2wy + 4w + 15y + 3)$

(ii) $(3wxy + 6wx + 2wy + 4w + 15y + 3)$

(iii) $(2wxy + 6wx + 2wy + 4w + 15y + 3)$

(iv) $(3wxy + 3wx + 2wy + 4w + 15y + 3)$

$$(v) (4wxy + 6wx + 2wy + 4w + 15y + 3)$$

8. If $A = (3mn - 3m + 5n)$, $B = (-4mn + 6n - 1)$ and $C = (5m - n - 3)$ then $(3A + 3B - 3C) =$

(i) $(-4mn - 24m + 36n + 6)$

(ii) $(-2mn - 24m + 36n + 6)$

(iii) $(-3mn - 22m + 36n + 6)$

(iv) $(-3mn - 26m + 36n + 6)$

(v) $(-3mn - 24m + 36n + 6)$

9. If $A = (5p^2 - 2p - 2)$, $B = (3p^2 - 6p + 5)$ and $C = (p^2 - 4p - 1)$ then $(3A - 2B + 2C) =$

(i) $(11p^2 - 4p - 18)$ (ii) $(12p^2 - 2p - 18)$ (iii) $(10p^2 - 2p - 18)$

(iv) $(11p^2 + p - 18)$ (v) $(11p^2 - 2p - 18)$

10. If $A = (3mn - 2n + 1)$, $B = (mn - 2n - 4)$ and $C = (-2m - 4n + 3)$ then $(-2A - 2B + 3C) =$

(i) $(-8mn - 8m - 4n + 15)$

(ii) $(-9mn - 6m - 4n + 15)$

(iii) $(-8mn - 4m - 4n + 15)$

(iv) $(-7mn - 6m - 4n + 15)$

(v) $(-8mn - 6m - 4n + 15)$

11. If $A = (-4q + 3)$, $B = (3qr + 3qs)$ and $C = (-5qrs + 2)$ then $(-3A + B + 3C) =$

(i) $(-15qrs + 3qr + 3qs + 12q - 3)$

(ii) $(-16qrs + 3qr + 3qs + 12q - 3)$

(iii) $(-14qrs + 3qr + 3qs + 12q - 3)$

(iv) $(-15qrs + 3qs + 12q - 3)$

(v) $(-15qrs + 5qr + 3qs + 12q - 3)$

12. If $A = (ef + e - 1)$, $B = (4ef - 3f + 1)$ and

$C = (2ef + 5e + 5f)$ then $(-3A + 3B - 3C) =$

(i) $(2ef - 18e - 24f + 6)$

(ii) $(3ef - 18e - 24f + 6)$

(iii) $(3ef - 16e - 24f + 6)$

(iv) $(3ef - 20e - 24f + 6)$

(v) $(4ef - 18e - 24f + 6)$

13. If $A = (2n^2 + n + 2)$, $B = (-3n^2 - 3n + 5)$ and

$C = (-4n^2 + n + 3)$ then $(2A - 3B + C) =$

(i) $(8n^2 + 12n - 8)$ (ii) $(10n^2 + 12n - 8)$ (iii) $(9n^2 + 14n - 8)$

(iv) $(9n^2 + 10n - 8)$ (v) $(9n^2 + 12n - 8)$

14. If $A = (2no - 3n - 3)$, $B = (-3no - 3o - 1)$ and

$C = (4no + 4n + 3)$ then $(-2A + 2B - 2C) =$

(i) $(-18no - 4n - 6o - 2)$

(ii) $(-19no - 2n - 6o - 2)$

(iii) $(-18no - 6o - 2)$

(iv) $(-18no - 2n - 6o - 2)$

$$(v) \quad (-17no - 2n - 6o - 2)$$

15. If $A = (5xyz + yz)$, $B = (xyz - xz)$ and

$$C = (3xz + 3yz) \text{ then } (2A + 2B + C) =$$

$$(i) \quad (12xyz + xz + 5yz) \quad (ii) \quad (12xyz + 4xz + 5yz) \quad (iii) \quad (13xyz + xz + 5yz)$$

$$(iv) \quad (11xyz + xz + 5yz) \quad (v) \quad (12xyz - 2xz + 5yz)$$

16. If $A = (-5ij - 2i - j)$, $B = (-ij + 4i - 1)$ and

$$C = (-3ij + 2j + 2) \text{ then } (-2A + 2B + 3C) =$$

$$(i) \quad (-ij + 15i + 8j + 4)$$

$$(ii) \quad (12i + 8j + 4)$$

$$(iii) \quad (-ij + 9i + 8j + 4)$$

$$(iv) \quad (-2ij + 12i + 8j + 4)$$

$$(v) \quad (-ij + 12i + 8j + 4)$$

Assignment Key

- 1) (i)
- 2) (ii)
- 3) (v)
- 4) (ii)
- 5) (iv)
- 6) (iv)
- 7) (ii)
- 8) (v)
- 9) (v)
- 10) (v)
- 11) (i)
- 12) (ii)
- 13) (v)
- 14) (iv)
- 15) (i)
- 16) (v)