

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

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

1.

$C = (-i^2 - 5i - 1)$ then $(-3A + 2B - 2C) =$

(i) $(-2i^2 - 6i - 21)$ (ii) $(-2i^2 - 9i - 21)$ (iii) $(-2i^2 - 4i - 21)$

(iv) $(-i^2 - 6i - 21)$ (v) $(-3i^2 - 6i - 21)$

If $A = (-no - o + 2)$, $B = (4no + 2n + 4o)$ and

2.

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

(i) $(-12no + 3n - 4o - 10)$

(ii) $(-14no + 3n - 4o - 10)$

(iii) $(-13no + 3n - 4o - 10)$

(iv) $(-13no - 4o - 10)$

(v) $(-13no + 6n - 4o - 10)$

If $A = (5c + 1)$, $B = (-3cde + 2cd)$ and

3.

$C = (4cd - ce)$ then $(A - 3B - 3C) =$

(i) $(9cde - 18cd + 3ce + 5c + 1)$

(ii) $(9cde - 20cd + 3ce + 5c + 1)$

(iii) $(8cde - 18cd + 3ce + 5c + 1)$

(iv) $(10cde - 18cd + 3ce + 5c + 1)$

(v) $(9cde - 16cd + 3ce + 5c + 1)$

4. If $A = (4j + 5k - 5)$, $B = (-jk + 5k + 2)$ and

$$C = (jk + 3k + 2) \text{ then } (3A + 2B + 2C) =$$

- (i) $(13j + 31k - 7)$ (ii) $(12j + 31k - 7)$ (iii) $(11j + 31k - 7)$
(iv) $(12j + 28k - 7)$ (v) $(12j + 33k - 7)$
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$$\text{If } A = (-d^2 - d + 2), B = (-3d^2 + 3d - 4) \text{ and}$$

5.

$$C = (4d^2 - 2d - 2) \text{ then } (-2A - 2B + 3C) =$$

- (i) $(19d^2 - 10d - 2)$ (ii) $(20d^2 - 8d - 2)$ (iii) $(20d^2 - 10d - 2)$
(iv) $(21d^2 - 10d - 2)$ (v) $(20d^2 - 13d - 2)$
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$$\text{If } A = (-5fg - 3g + 5), B = (-3fg - 5f - 5) \text{ and}$$

6.

$$C = (5fg + 3f + 3) \text{ then } (-2A - B - 2C) =$$

- (i) $(3fg - f + 6g - 11)$
(ii) $(3fg - 3f + 6g - 11)$
(iii) $(2fg - f + 6g - 11)$
(iv) $(4fg - f + 6g - 11)$
(v) $(3fg + 2f + 6g - 11)$
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$$\text{If } A = (5efg - 2), B = (2efg - ef) \text{ and}$$

7.

$$C = (-e - 2g) \text{ then } (-A + B + 2C) =$$

- (i) $(-3efg + ef - 2e - 4g + 2)$
(ii) $(-3efg - ef - 2e - 4g + 2)$
(iii) $(-3efg - 3ef - 2e - 4g + 2)$
(iv) $(-4efg - ef - 2e - 4g + 2)$
(v) $(-2efg - ef - 2e - 4g + 2)$
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$$\text{If } A = (4fg - 2f + 4), B = (-3f - 3g - 1) \text{ and}$$

8.

$$C = (2f + 4g + 3) \text{ then } (A + 3B + 2C) =$$

(i) $(4fg - 7f - g + 7)$

(ii) $(4fg - 10f - g + 7)$

(iii) $(5fg - 7f - g + 7)$

(iv) $(3fg - 7f - g + 7)$

(v) $(4fg - 5f - g + 7)$

Assignment Key

- 1) (i)
- 2) (iii)
- 3) (i)
- 4) (ii)
- 5) (iii)
- 6) (i)
- 7) (ii)
- 8) (i)