



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

- (i)  $(3s^2 - s + 2)$  (ii)  $(4s^2 - 3s + 2)$  (iii)  $(3s^2 - 3s + 2)$  (iv)  $(2s^2 - 3s + 2)$  (v)  $(3s^2 - 5s + 2)$

2. If  $A = (k/ + 4k - 4)$ ,  $B = (5k/ - 4/ + 1)$  and  $C = (k/ + k - /)$  then  $(-2A + 2B - C) =$

- (i)  $(8k/ - 9k - 7/ + 10)$  (ii)  $(7k/ - 9k - 7/ + 10)$  (iii)  $(7k/ - 6k - 7/ + 10)$  (iv)  $(6k/ - 9k - 7/ + 10)$   
(v)  $(7k/ - 12k - 7/ + 10)$

3. If  $A = (3def + 5df)$ ,  $B = (-de + 3f)$  and  $C = (3def + 3de)$  then  $(2A + B - 2C) =$

- (i)  $(-7de + 12df + 3f)$  (ii)  $(-7de + 8df + 3f)$  (iii)  $(-7de + 10df + 3f)$  (iv)  $(-8de + 10df + 3f)$   
(v)  $(-6de + 10df + 3f)$

4. If  $A = (-3ef + e - 3)$ ,  $B = (2ef - f - 2)$  and  $C = (4ef + 3e - f)$  then  $(-A - 2B - 2C) =$

- (i)  $(-9ef - 4e + 4f + 7)$  (ii)  $(-8ef - 7e + 4f + 7)$  (iii)  $(-9ef - 9e + 4f + 7)$  (iv)  $(-10ef - 7e + 4f + 7)$   
(v)  $(-9ef - 7e + 4f + 7)$

5. If  $A = (4l^2 - 6l + 4)$ ,  $B = (l^2 + l - 12)$  and  $C = (3l^2 - 9l - 8)$  then  $(-A + 2B + C) =$

- (i)  $(l^2 - l - 36)$  (ii)  $(-l - 36)$  (iii)  $(l^2 + 2l - 36)$  (iv)  $(2l^2 - l - 36)$  (v)  $(l^2 - 4l - 36)$

6. If  $A = (-3op - 4o + 3p)$ ,  $B = (-op - 5o + 7)$  and  $C = (4op + 2o + 5)$  then  $(-3A - 3B + C) =$

- (i)  $(16op + 26o - 9p - 16)$  (ii)  $(17op + 29o - 9p - 16)$  (iii)  $(16op + 29o - 9p - 16)$  (iv)  $(15op + 29o - 9p - 16)$   
(v)  $(16op + 32o - 9p - 16)$

7. If  $A = (-3ik - 5j)$ ,  $B = (5i - 4j)$  and  $C = (5j + 3)$  then  $(-A + B + 3C) =$

- (i)  $(3ik + 5i + 16j + 9)$  (ii)  $(4ik + 5i + 16j + 9)$  (iii)  $(2ik + 5i + 16j + 9)$  (iv)  $(3ik + 8i + 16j + 9)$   
(v)  $(3ik + 2i + 16j + 9)$

8. If  $A = (5k/ - 4/ + 3)$ ,  $B = (-3k/ + 5/ - 4)$  and  $C = (4k/ - 5/ - 3)$  then  $(-2A + 2B + C) =$

- (i)  $(-11k/ + 13/ - 17)$  (ii)  $(-12k/ + 16/ - 17)$  (iii)  $(-12k/ + 13/ - 17)$  (iv)  $(-13k/ + 13/ - 17)$   
(v)  $(-12k/ + 11/ - 17)$

## Assignment Key

---

1) (iii)

2) (ii)

3) (iii)

4) (v)

5) (i)

6) (iii)

7) (i)

8) (iii)