



1. If $A = (4u^2 - 3u - 5)$, $B = (4u^2 - 4u + 10)$ and $C = (-9u^2 + 5u - 4)$ then $(-3A + 2B + 3C) =$
(i) $(-31u^2 + 16u + 23)$ (ii) $(-32u^2 + 16u + 23)$ (iii) $(-31u^2 + 14u + 23)$ (iv) $(-31u^2 + 19u + 23)$
(v) $(-30u^2 + 16u + 23)$
2. If $A = (-5jk + j - 4k)$, $B = (-4jk + 3j - 4k)$ and $C = (-6jk + k - 4)$ then $(-3A + B - 2C) =$
(i) $(23jk + 6k + 8)$ (ii) $(22jk + 6k + 8)$ (iii) $(23jk + 9k + 8)$ (iv) $(24jk + 6k + 8)$ (v) $(23jk + 4k + 8)$
3. If $A = (5s - 4tu)$, $B = (4stu - 2tu)$ and $C = (s + 2tu)$ then $(2A - 3B - 2C) =$
(i) $(-12stu + 8s - 6tu)$ (ii) $(-13stu + 8s - 6tu)$ (iii) $(-11stu + 8s - 6tu)$ (iv) $(-12stu + 11s - 6tu)$
(v) $(-12stu + 6s - 6tu)$
4. If $A = (-no + 4o + 5)$, $B = (4n - o - 4)$ and $C = (2no - 4o - 2)$ then $(A - 2B - 3C) =$
(i) $(-7no - 10n + 18o + 19)$ (ii) $(-6no - 8n + 18o + 19)$ (iii) $(-7no - 8n + 18o + 19)$
(iv) $(-8no - 8n + 18o + 19)$ (v) $(-7no - 6n + 18o + 19)$
5. If $A = (-2f^2 + 4f - 3)$, $B = (f^2 - 5f - 1)$ and $C = (f^2 - f - 4)$ then $(2A - 2B + C) =$
(i) $(-4f^2 + 17f - 8)$ (ii) $(-5f^2 + 15f - 8)$ (iii) $(-5f^2 + 17f - 8)$ (iv) $(-6f^2 + 17f - 8)$ (v) $(-5f^2 + 19f - 8)$
6. If $A = (k/l + 4/l + 3)$, $B = (-2k/l - 2/l - 4)$ and $C = (-2k/l - 1)$ then $(-A - 3B - 2C) =$
(i) $(5k/l + 7k + 11)$ (ii) $(5k/l + 4k + 11)$ (iii) $(6k/l + 4k + 11)$ (iv) $(4k/l + 4k + 11)$ (v) $(5k/l + 2k + 11)$
7. If $A = (-5p - 2)$, $B = (5pq - 2r)$ and $C = (4q - 2)$ then $(A + B - C) =$
(i) $(5pq - 8p - 4q - 2r)$ (ii) $(4pq - 5p - 4q - 2r)$ (iii) $(5pq - 2p - 4q - 2r)$ (iv) $(6pq - 5p - 4q - 2r)$
(v) $(5pq - 5p - 4q - 2r)$
8. If $A = (-gh + 3h - 3)$, $B = (-4gh + 2g + 3)$ and $C = (-3gh + h - 5)$ then $(2A + 2B + C) =$
(i) $(-12gh + 4g + 7h - 5)$ (ii) $(-14gh + 4g + 7h - 5)$ (iii) $(-13gh + 4g + 7h - 5)$ (iv) $(-13gh + g + 7h - 5)$
(v) $(-13gh + 7g + 7h - 5)$
9. If $A = (5g^2 + 3g - 2)$, $B = (10g^2 - 5g + 5)$ and $C = (4g^2 - 5g - 2)$ then $(2A + 2B + 3C) =$
(i) $(42g^2 - 17g)$ (ii) $(41g^2 - 19g)$ (iii) $(42g^2 - 19g)$ (iv) $(43g^2 - 19g)$ (v) $(42g^2 - 21g)$
10. If $A = (-5f + g + 4)$, $B = (2f - 2g + 3)$ and $C = (-5f + 5g + 4)$ then $(3A + 3B - 2C) =$
(i) $(f - 15g + 13)$ (ii) $(-13g + 13)$ (iii) $(2f - 13g + 13)$ (iv) $(f - 10g + 13)$ (v) $(f - 13g + 13)$

11. If $A = (-2uv + 3uw)$, $B = (4vw - w)$ and $C = (-4uvw - uw)$ then $(3A + 3B + C) =$
(i) $(-5uvw - 6uv + 8uw + 12vw - 3w)$ (ii) $(-4uvw - 3uv + 8uw + 12vw - 3w)$
(iii) $(-3uvw - 6uv + 8uw + 12vw - 3w)$ (iv) $(-4uvw - 8uv + 8uw + 12vw - 3w)$
(v) $(-4uvw - 6uv + 8uw + 12vw - 3w)$
12. If $A = (-2hi + 3h - 3i)$, $B = (5hi + h - 2i)$ and $C = (hi + 5i - 3)$ then $(2A - B + 3C) =$
(i) $(-6hi + 2h + 11i - 9)$ (ii) $(-6hi + 5h + 11i - 9)$ (iii) $(-7hi + 5h + 11i - 9)$ (iv) $(-6hi + 7h + 11i - 9)$
(v) $(-5hi + 5h + 11i - 9)$
13. If $A = (-x^2 + 6x - 1)$, $B = (-x^2 - 3x - 4)$ and $C = (-x^2 - 3x + 5)$ then $(2A + B - 2C) =$
(i) $(-x^2 + 15x - 16)$ (ii) $(-x^2 + 18x - 16)$ (iii) $(15x - 16)$ (iv) $(-x^2 + 12x - 16)$ (v) $(-2x^2 + 15x - 16)$
14. If $A = (-4gh - 4g + 4h)$, $B = (-3gh + h - 5)$ and $C = (2gh - 2h + 2)$ then $(-A - B - 3C) =$
(i) $(gh + 4g + h - 1)$ (ii) $(gh + g + h - 1)$ (iii) $(2gh + 4g + h - 1)$ (iv) $(4g + h - 1)$ (v) $(gh + 7g + h - 1)$
15. If $A = (-3st + 1)$, $B = (-4su - 4)$ and $C = (-2tu + 5)$ then $(A + 2B - C) =$
(i) $(-3st - 11su + 2tu - 12)$ (ii) $(-3st - 5su + 2tu - 12)$ (iii) $(-2st - 8su + 2tu - 12)$
(iv) $(-4st - 8su + 2tu - 12)$ (v) $(-3st - 8su + 2tu - 12)$
16. If $A = (-q + 3r + 2)$, $B = (3qr - 5r + 2)$ and $C = (4q + 3r - 2)$ then $(A + B - 3C) =$
(i) $(2qr - 13q - 11r + 10)$ (ii) $(3qr - 13q - 11r + 10)$ (iii) $(3qr - 16q - 11r + 10)$ (iv) $(4qr - 13q - 11r + 10)$
(v) $(3qr - 11q - 11r + 10)$

Assignment Key

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