



1. The quotient when $(-6z^2)$ is divided by $(z+4)$ is

- (i) $(-7z+24)$ (ii) $(-5z+24)$ (iii) $(-4z+24)$ (iv) $(-6z+24)$ (v) $(-9z+24)$

2. The quotient when $(7e-7)$ is divided by $(e+2)$ is

- (i) 7 (ii) 8 (iii) 10 (iv) 5 (v) 6

3. The quotient when $(3q^2+4q+7)$ is divided by $(q-9)$ is

- (i) $(3q+31)$ (ii) $(6q+31)$ (iii) 31 (iv) $(2q+31)$ (v) $(4q+31)$

4. The quotient when (b^2+2b) is divided by $(b+6)$ is

- (i) $(2b-4)$ (ii) $(-b-4)$ (iii) (-4) (iv) $(b-4)$ (v) $(3b-4)$

5. The quotient when $(-9a^5+2a^4-2a^3-a^2-2a+9)$ is divided by $(a-3)$ is

- (i) $(-11a^4-25a^3-77a^2-232a-698)$ (ii) $(-10a^4-25a^3-77a^2-232a-698)$
(iii) $(-6a^4-25a^3-77a^2-232a-698)$ (iv) $(-9a^4-25a^3-77a^2-232a-698)$
(v) $(-8a^4-25a^3-77a^2-232a-698)$

6. The remainder when $(-7w)$ is divided by (-8) is

- (i) 1 (ii) (-2) (iii) 2 (iv) (-1) (v) 0

7. The remainder when $(-8f^2)$ is divided by $(f-7)$ is

- (i) (-391) (ii) (-389) (iii) (-393) (iv) (-392) (v) (-395)

8. The remainder when $(9w-9)$ is divided by $(w-8)$ is

- (i) 60 (ii) 64 (iii) 65 (iv) 62 (v) 63

9. The remainder when $(-6u^2+2u)$ is divided by $(u+1)$ is

- (i) (-8) (ii) (-7) (iii) (-5) (iv) (-9) (v) (-10)

10. The remainder when $(4c^2-2c-8)$ is divided by $(c-8)$ is

- (i) 234 (ii) 231 (iii) 232 (iv) 229 (v) 233

11. Find the remainder when $(2x^2-12x+10)$ is divided by $(3x+4)$

- (i) $\frac{208}{7}$ (ii) $\frac{88}{3}$ (iii) $\frac{266}{9}$ (iv) $\frac{324}{11}$ (v) $\frac{268}{9}$

12. If $f(x) = (3x^3 - 8x^2 - x + 10)$ and $g(x) = (4x^3 - 13x - 6)$ have a common factor, find the common factor

- (i) $(3x - 5)$ (ii) $(2x + 1)$ (iii) $(x - 2)$ (iv) $(2x + 3)$ (v) $(x + 1)$

13. If the polynomial $bx^2 + 17x + a$ is divided by $(x + 2)$, it leaves a remainder -5. If it is divided by $(2x - 1)$, it leaves a remainder 15. Find the value of a and b

- (i) 5, 6 (ii) 5, 4 (iii) 5, 7 (iv) 6, 6 (v) 7, 6

Assignment Key

1) (iv)	2) (i)	3) (i)	4) (iv)	5) (iv)	6) (v)
7) (iv)	8) (v)	9) (i)	10) (iii)	11) (iii)	12) (iii)
13) (i)					