



1. The quotient when $(-6a)$ is divided by (-7) is

- (i) $\frac{6}{7}a$ (ii) $\frac{6}{5}a$ (iii) $\frac{2}{3}a$ (iv) $\frac{8}{7}a$ (v) $\frac{4}{7}a$

2. The quotient when $(-4z^2)$ is divided by $(z-9)$ is

- (i) $(-4z-36)$ (ii) $(-7z-36)$ (iii) $(-3z-36)$ (iv) $(-2z-36)$ (v) $(-5z-36)$

3. The quotient when $(5i-3)$ is divided by $(i+8)$ is

- (i) 6 (ii) 5 (iii) 7 (iv) 2 (v) 4

4. The quotient when $(8s^2+2s-3)$ is divided by $(s-4)$ is

- (i) $(5s+34)$ (ii) $(9s+34)$ (iii) $(8s+34)$ (iv) $(7s+34)$ (v) $(10s+34)$

5. The quotient when $(-6u^2-7u)$ is divided by $(u-9)$ is

- (i) $(-3u-61)$ (ii) $(-7u-61)$ (iii) $(-8u-61)$ (iv) $(-5u-61)$ (v) $(-6u-61)$

6. The quotient when $(8k^2+3k-7)$ is divided by $(k-6)$ is

- (i) $(6k+51)$ (ii) $(10k+51)$ (iii) $(9k+51)$ (iv) $(7k+51)$ (v) $(8k+51)$

7. The quotient when $(-e^4-2e^3-4e^2-5e-3)$ is divided by (e^2-4) is

- (i) $(-2e-8)$ (ii) $(-e^2-2e-8)$ (iii) $(-4e^2-2e-8)$ (iv) $(2e^2-2e-8)$ (v) $(-2e^2-2e-8)$

8. The quotient when $(-v^5-4v^4-9v^3+7v^2-4v-6)$ is divided by $(v+5)$ is

- (i) $(-2v^4+v^3-14v^2+77v-389)$ (ii) $(-3v^4+v^3-14v^2+77v-389)$ (iii) $(2v^4+v^3-14v^2+77v-389)$
(iv) $(v^3-14v^2+77v-389)$ (v) $(-v^4+v^3-14v^2+77v-389)$

9. The quotient of $(4a^2-16ab+16b^2) \div (-2a+4b)$ is

- (i) $(-2a+4b)$ (ii) $(-2a+b)$ (iii) $(-2a+7b)$ (iv) $(-a+4b)$ (v) $(-3a+4b)$

10. The quotient of $(9a^2-30ab+25b^2) \div (-3a+5b)$ is

- (i) $(-4a+5b)$ (ii) $(-3a+5b)$ (iii) $(-3a+2b)$ (iv) $(-2a+5b)$ (v) $(-3a+7b)$

11. The quotient of $(4a^2-9b^2) \div (2a-3b)$ is

- (i) $(3a+3b)$ (ii) $(2a+b)$ (iii) $(2a+3b)$ (iv) $(a+3b)$ (v) $(2a+6b)$

12. The quotient of $(-a^3 - 15a^2b - 75ab^2 - 125b^3) \div (-a - 5b)$ is

- (i) $(a^2 + 12ab + 25b^2)$ (ii) $(a^2 + 8ab + 25b^2)$ (iii) $(2a^2 + 10ab + 25b^2)$ (iv) $(a^2 + 10ab + 25b^2)$
(v) $(10ab + 25b^2)$

13. The quotient of $(8a^3 + 36a^2b + 54ab^2 + 27b^3) \div (2a + 3b)$ is

- (i) $(5a^2 + 12ab + 9b^2)$ (ii) $(4a^2 + 12ab + 9b^2)$ (iii) $(4a^2 + 10ab + 9b^2)$ (iv) $(3a^2 + 12ab + 9b^2)$
(v) $(4a^2 + 15ab + 9b^2)$

14. The quotient of $(4a^2 + 8ab - 4ac + 4b^2 - 4bc + c^2) \div (-2a - 2b + c)$ is

- (i) $(-2a + c)$ (ii) $(-2a - 5b + c)$ (iii) $(-2a - 2b + c)$ (iv) $(-3a - 2b + c)$ (v) $(-a - 2b + c)$

15. The quotient of $(-27a^3 + 27b^3) \div (-3a + 3b)$ is

- (i) $(10a^2 + 9ab + 9b^2)$ (ii) $(9a^2 + 11ab + 9b^2)$ (iii) $(8a^2 + 9ab + 9b^2)$ (iv) $(9a^2 + 9ab + 9b^2)$
(v) $(9a^2 + 6ab + 9b^2)$

16. The quotient of $(27a^3 + 125b^3) \div (3a + 5b)$ is

- (i) $(9a^2 - 15ab + 25b^2)$ (ii) $(9a^2 - 17ab + 25b^2)$ (iii) $(10a^2 - 15ab + 25b^2)$ (iv) $(9a^2 - 13ab + 25b^2)$
(v) $(8a^2 - 15ab + 25b^2)$

17. The quotient of $(-a^3 + 60abc + 64b^3 + 125c^3) \div (-a + 4b + 5c)$ is

- (i) $(a^2 + 4ab + 5ac + 16b^2 - 20bc + 25c^2)$ (ii) $(2a^2 + 4ab + 5ac + 16b^2 - 20bc + 25c^2)$
(iii) $(4ab + 5ac + 16b^2 - 20bc + 25c^2)$ (iv) $(a^2 + ab + 5ac + 16b^2 - 20bc + 25c^2)$
(v) $(a^2 + 7ab + 5ac + 16b^2 - 20bc + 25c^2)$

18. $(6x^3 - 8x^2 - 2x + 4) \div (-2x^2 + 4x - 2) =$

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

19. $(36x^4 - 84x^3 + 33x^2 + 24x - 9) \div (-18x^3 + 51x^2 - 42x + 9) =$

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

20. $(4x^3y^4 + 24x^2y^3) \div 2xy^2 =$

- (i) $(2x^2y^2 + 12xy)$ (ii) $(2x^3y^3 + 12xy)$ (iii) $(2x^2y^2 + 12y^2)$ (iv) $(2x^2y^2 + 12xy^2z)$ (v) $(2x^3y^4 + 12xy)$

21. $(48x^4y^3z^3 + 16x^3y^3z^2 + 96x^3y^2z^3) \div 4x^2yz =$

(i) $(12x^2y^2z^2 + 4xy^2z + 24xyz^2)$ (ii) $(12x^3y^4z^2 + 4xy^2z + 24xyz^2)$ (iii) $(12x^2y^2z^2 + 24xyz^2 + 4y^3z)$

(iv) $(12x^2y^2z^2 + 4xy^3z^2 + 24xyz^2)$ (v) $(12x^3y^3z^2 + 4xy^2z + 24xyz^2)$

22. $(x^4 + x^3) \div x^2$

(i) $(x^2 + 2x)$ (ii) $(x^2 - x)$ (iii) $(-x^2 + x)$ (iv) x (v) $(x^2 + x)$

23. $(4x^4 + 18x^3 + 8x^2) \div (4x^2 + 2x)$

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

24. $(18x^4 + 18x^3 - 68x^2 - 80x) \div (6x^2 - 2x - 20)$

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

Assignment Key

1) (i)	2) (i)	3) (ii)	4) (iii)	5) (v)	6) (v)
7) (ii)	8) (v)	9) (i)	10) (ii)	11) (iii)	12) (iv)
13) (ii)	14) (iii)	15) (iv)	16) (i)	17) (i)	18) (ii)
19) (ii)	20) (i)	21) (i)	22) (v)	23) (iii)	24) (iii)