EduSahara™ Assignment

Name : Polynomial Division

Chapter : Polynomials

Grade : CBSE Grade X

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1. The quotient when $7r$ is divided by (-8) is

   (i) $(-\frac{7}{8}r)$ (ii) $(-\frac{9}{8}r)$ (iii) $(-\frac{5}{8}r)$ (iv) $(-\frac{7}{10}r)$ (v) $(-\frac{7}{6}r)$

2. The quotient when $(-n^2)$ is divided by $(n-6)$ is

   (i) $(-4n-6)$ (ii) $(-n-6)$ (iii) (-6) (iv) $(2n-6)$ (v) $(-2n-6)$

3. The quotient when $(-4n-5)$ is divided by $(n+7)$ is

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

4. The quotient when $(2a^2+6a-9)$ is divided by $(a-3)$ is

   (i) $(4a+12)$ (ii) $(a+12)$ (iii) $(2a+12)$ (iv) $(3a+12)$ (v) 12

5. The quotient when $(-6z^2+9z)$ is divided by $(z-1)$ is

   (i) $(-3z+3)$ (ii) $(-8z+3)$ (iii) $(-7z+3)$ (iv) $(-5z+3)$ (v) $(-6z+3)$

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

   (i) $(-5y+61)$ (ii) $(-7y+61)$ (iii) $(-11y+61)$ (iv) $(-8y+61)$ (v) $(-9y+61)$

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

   (i) $(7m^2-16m+31)$ (ii) $(9m^2-16m+31)$ (iii) $(10m^2-16m+31)$ (iv) $(8m^2-16m+31)$

   (v) $(5m^2-16m+31)$

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

   (i) $(-4x^4-26x^3-201x^2-1604x-12840)$ (ii) $(-3x^4-26x^3-201x^2-1604x-12840)$

   (iii) $(-5x^4-26x^3-201x^2-1604x-12840)$ (iv) $(-2x^4-26x^3-201x^2-1604x-12840)$

   (v) $(-x^4-26x^3-201x^2-1604x-12840)$

9. The remainder when $7v$ is divided by (-7) is

   (i) (-3) (ii) 0 (iii) (-1) (iv) 1 (v) 3

10. The remainder when $5b^2$ is divided by $(b+1)$ is

    (i) 3 (ii) 8 (iii) 5 (iv) 6 (v) 4

11. The remainder when $(9u+8)$ is divided by $(u-4)$ is

    (i) 45 (ii) 42 (iii) 46 (iv) 44 (v) 43

12. The remainder when $(-8b^2+5b)$ is divided by $(b+2)$ is

(i) (-43) (ii) (-42) (iii) (-40) (iv) (-41) (v) (-44)

13. The remainder when $(-4v^2-5v+2)$ is divided by $(v-9)$ is

(i) (-369) (ii) (-366) (iii) (-365) (iv) (-368) (v) (-367)

14. The remainder when (m^2+9m-9) is divided by $(m-2)$ is

(i) 15 (ii) 13 (iii) 14 (iv) 10 (v) 12

15. The remainder when $(-2t^4-5t^3+5t^2+6t-8)$ is divided by $(t-8)$ is

(i) (-10393) (ii) (-10392) (iii) (-10390) (iv) (-10395) (v) (-10391)

16. The remainder when $(2s^4+2s^2+9s+3)$ is divided by $(s-1)$ is

(i) 19 (ii) 17 (iii) 15 (iv) 13 (v) 16

17. $(6x^3-9x^2+3)\div(2x^2-x-1)=$

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

18. $(-24x^4+48x^3+6x^2-48x+18)\div(8x^3-8x^2-10x+6)=$

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

19. $(-24x^5+44x^4-40x^2+24x-4)$ divided by $(4x^3-4x^2-4x+4)=$

(i) $(-6x^2+6x-1)$ (ii) $(-6x^2+5x+1)$ (iii) $(-6x^2-5x-1)$ (iv) $(-6x^2+5x-1)$ (v) $(-6x^2+4x-1)$

20. $(16x^3y^3+128x^3y^2)\div 4x^2y=$

(i) $(4x^2y^4+32xy)$ (ii) $(4xy^2+32y^2)$ (iii) $(4x^2y^3+32xy)$ (iv) $(4xy^2+32xy)$ (v) $(32xy^2z+4xy^2)$

21. $(28x^3y^3z^2+196x^3y^2z^3+4x^2y^3z^3)\div 2xyz=$

(i) $(14x^2y^2z+98x^2yz^2+2xy^2z^2)$ (ii) $(98x^2y^2z^3+14x^2y^2z+2xy^2z^2)$ (iii) $(14x^3y^3z+98x^2yz^2+2xy^2z^2)$

(iv) $(14x^3y^4z+98x^2yz^2+2xy^2z^2)$ (v) $(14x^2y^2z+98xy^2z^2)$

22. $(4x^4+8x^3)\div 2x^2$

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

23. $(25x^4+30x^3+9x^2)\div(5x^2+3x)$

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

24. $(9x^4-9x^3-16x^2-4x)\div(3x^2-5x-2)$

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

Assignment Key

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

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