

Valutazione di funzioni intere

Periodo 2 - UdA 5

Valutare i seguenti polinomi per valori interi compresi fra quelli indicati e rappresentarli sul diagramma cartesiano

[1] $P(z) = -2z^3 + 3z^2 - 1 \quad [-2, 2]$

[3] $P(z) = z^3 - 2z^2 - 2z \quad [-2, 3]$

[5] $P(z) = -2z^3 - z^2 - z + 4 \quad [-2, 2]$

[7] $P(z) = 2z^3 - 3z^2 - 3z + 1 \quad [-2, 2]$

[9] $P(z) = -3z^3 - z^2 + 2z + 2 \quad [-2, 2]$

[11] $P(z) = 2z^3 - 3z^2 - 2z + 1 \quad [-2, 2]$

[13] $P(z) = -z^3 + 4z^2 + 2z \quad [-2, 3]$

[15] $P(z) = 2z^2 - 2z + 3 \quad [-3, 3]$

[17] $P(z) = -2z^3 - 4z^2 + 3 \quad [-3, 2]$

[19] $P(z) = 2z^3 - 4z \quad [-2, 2]$

[21] $P(z) = -2z^3 - z^2 + 2z + 3 \quad [-2, 2]$

[23] $P(z) = z^3 + 2z^2 \quad [-3, 2]$

[25] $P(z) = -2z^3 + z^2 + 2z \quad [-2, 2]$

[27] $P(z) = 2z^3 - 1 \quad [-2, 2]$

[29] $P(z) = -z^3 + 1 \quad [-3, 2]$

[2] $P(z) = 2z^3 - 3z^2 + 2z - 2 \quad [-2, 2]$

[4] $P(z) = -3z^3 - z^2 + 2z + 2 \quad [-2, 2]$

[6] $P(z) = 3z^3 - 2z^2 - 2z \quad [-2, 2]$

[8] $P(z) = -z^3 + 2z^2 + 2z \quad [-2, 3]$

[10] $P(z) = 2z^3 - 5 \quad [-2, 2]$

[12] $P(z) = -z^3 + z^2 - 2z + 2 \quad [-2, 3]$

[14] $P(z) = 2z^3 + z^2 - 2z - 2 \quad [-2, 2]$

[16] $P(z) = -z^2 - 4z + 2 \quad [-3, 3]$

[18] $P(z) = 3z^3 + 2 \quad [-2, 2]$

[20] $P(z) = -z^3 - z^2 + z + 2 \quad [-3, 2]$

[22] $P(z) = z^2 - 4 \quad [-3, 3]$

[24] $P(z) = -z^3 + 3z^2 + z - 2 \quad [-2, 3]$

[26] $P(z) = 3z^3 + z \quad [-2, 2]$

[28] $P(z) = -z^3 - z^2 + 2 \quad [-3, 2]$

[30] $P(z) = 2z^3 + z^2 + z + 1 \quad [-2, 2]$

SOLUZIONI (solo valutazioni, mancano diagrammi cartesiani)

Valutazione di funzioni intere Periodo 2 - UdA 5

1. $P(-2) = 27 \quad P(-1) = 4 \quad P(0) = -1 \quad P(1) = 0 \quad P(2) = -5$
2. $P(-2) = -34 \quad P(-1) = -9 \quad P(0) = -2 \quad P(1) = -1 \quad P(2) = 6$
3. $P(-2) = -12 \quad P(-1) = -1 \quad P(0) = 0 \quad P(1) = -3 \quad P(2) = -4 \quad P(3) = 3$
4. $P(-2) = 18 \quad P(-1) = 2 \quad P(0) = 2 \quad P(1) = 0 \quad P(2) = -22$
5. $P(-2) = 18 \quad P(-1) = 6 \quad P(0) = 4 \quad P(1) = 0 \quad P(2) = -18$
6. $P(-2) = -28 \quad P(-1) = -3 \quad P(0) = 0 \quad P(1) = -1 \quad P(2) = 12$
7. $P(-2) = -21 \quad P(-1) = -1 \quad P(0) = 1 \quad P(1) = -3 \quad P(2) = -1$
8. $P(-2) = 12 \quad P(-1) = 1 \quad P(0) = 0 \quad P(1) = 3 \quad P(2) = 4 \quad P(3) = -3$
9. $P(-2) = 18 \quad P(-1) = 2 \quad P(0) = 2 \quad P(1) = 0 \quad P(2) = -22$
10. $P(-2) = -21 \quad P(-1) = -7 \quad P(0) = -5 \quad P(1) = -3 \quad P(2) = 11$
11. $P(-2) = -23 \quad P(-1) = -2 \quad P(0) = 1 \quad P(1) = -2 \quad P(2) = 1$
12. $P(-2) = 18 \quad P(-1) = 6 \quad P(0) = 2 \quad P(1) = 0 \quad P(2) = -6 \quad P(3) = -22$
13. $P(-2) = 20 \quad P(-1) = 3 \quad P(0) = 0 \quad P(1) = 5 \quad P(2) = 12 \quad P(3) = 15$
14. $P(-2) = -10 \quad P(-1) = -1 \quad P(0) = -2 \quad P(1) = -1 \quad P(2) = 14$
15. $P(-3) = 27 \quad P(-2) = 15 \quad P(-1) = 7 \quad P(0) = 3 \quad P(1) = 3 \quad P(2) = 7 \quad P(3) = 15$

16. $P(-3) = 5$ $P(-2) = 6$ $P(-1) = 5$ $P(0) = 2$ $P(1) = -3$ $P(2) = -10$ $P(3) = -19$
17. $P(-3) = 21$ $P(-2) = 3$ $P(-1) = 1$ $P(0) = 3$ $P(1) = -3$ $P(2) = -29$
18. $P(-2) = -22$ $P(-1) = -1$ $P(0) = 2$ $P(1) = 5$ $P(2) = 26$
19. $P(-2) = -8$ $P(-1) = 2$ $P(0) = 0$ $P(1) = -2$ $P(2) = 8$
20. $P(-3) = 17$ $P(-2) = 4$ $P(-1) = 1$ $P(0) = 2$ $P(1) = 1$ $P(2) = -8$
21. $P(-2) = 11$ $P(-1) = 2$ $P(0) = 3$ $P(1) = 2$ $P(2) = -13$
22. $P(-3) = 5$ $P(-2) = 0$ $P(-1) = -3$ $P(0) = -4$ $P(1) = -3$ $P(2) = 0$ $P(3) = 5$
23. $P(-3) = -9$ $P(-2) = 0$ $P(-1) = 1$ $P(0) = 0$ $P(1) = 3$ $P(2) = 16$
24. $P(-2) = 16$ $P(-1) = 1$ $P(0) = -2$ $P(1) = 1$ $P(2) = 4$ $P(3) = 1$
25. $P(-2) = 16$ $P(-1) = 1$ $P(0) = 0$ $P(1) = 1$ $P(2) = -8$
26. $P(-2) = -26$ $P(-1) = -4$ $P(0) = 0$ $P(1) = 4$ $P(2) = 26$
27. $P(-2) = -17$ $P(-1) = -3$ $P(0) = -1$ $P(1) = 1$ $P(2) = 15$
28. $P(-3) = 20$ $P(-2) = 6$ $P(-1) = 2$ $P(0) = 2$ $P(1) = 0$ $P(2) = -10$
29. $P(-3) = 28$ $P(-2) = 9$ $P(-1) = 2$ $P(0) = 1$ $P(1) = 0$ $P(2) = -7$
30. $P(-2) = -13$ $P(-1) = -1$ $P(0) = 1$ $P(1) = 5$ $P(2) = 23$