



Antiremed Kelas 12 Matematika

Persamaan Kuadrat (Latihan Soal 2)

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halaman 1

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| Ubahlah ekspresi kuadratik berikut dengan metode melengkapkan kuadrat! 01. $x^2 - 2x - 3 = \dots$ | |
| 02. $x^2 - 4x + 10 = \dots$ | |
| 03. $x^2 + 6x + 11 = \dots$ | |
| 04. $x^2 + 10x + 17 = \dots$ | |
| 05. $x^2 - 12x + 14 = \dots$ | |
| 06. $x^2 + x + 3 = \dots$ | |
| 07. $x^2 - 3x - 1 = \dots$ | |
| 08. $x^2 - 5x + 2 = \dots$ | |
| 09. $x^2 + 9x - 6 = \dots$ | |
| 10. $x^2 + 7x - 5 = \dots$ | |



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| Ubahlah ekspresi kuadratik berikut dengan metode melengkapkan kuadrat! 11. $2x^2 - 4x + 5 = \dots$ | |
| 12. $3x^2 + 12x + 8 = \dots$ | |
| 13. $5x^2 + 30x - 12 = \dots$ | |
| 14. $6x^2 - 48x + 15 = \dots$ | |
| 15. $8x^2 + 80x - 21 = \dots$ | |
| 16. $9x^2 + 2x - 1 = \dots$ | |
| 17. $5x^2 + 8x - 3 = \dots$ | |
| 18. $-x^2 + 12x + 4 = \dots$ | |
| 19. $-2x^2 - 60x + 1 = \dots$ | |
| 20. $-4x^2 + 32x + 3 = \dots$ | |



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| Tentukan nilai x dari persamaan kuadrat berikut dengan metode melengkapkan kuadrat! 21. $x^2 - 2x - 4 = 0$ | |
| 22. $x^2 + 4x + 2 = 0$ | |
| 23. $x^2 - 6x - 10 = 0$ | |
| 24. $x^2 + 10x - 15 = 0$ | |
| 25. $x^2 - 8x - 34 = 0$ | |
| 26. $-x = -x^2 + 3$ | |
| 27. $x^2 = -3x + 1$ | |
| 28. $-7 = -x^2 + 5x$ | |
| 29. $4 = x^2 + 7x$ | |
| 30. $-9x - 6 = -x^2$ | |



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| Tentukan nilai x dari persamaan kuadrat berikut dengan metode melengkapkan kuadrat! | |
| 31. $2x^2 + 4x - 5 = 0$ | |
| 32. $3x^2 - 12x - 7 = 0$ | |
| 33. $5x^2 - 30x - 6 = 0$ | |
| 34. $6x^2 + 48x - 1 = 0$ | |
| 35. $9x^2 - 54x - 2 = 0$ | |
| 36. $2x^2 = 3x + 6$ | |
| 37. $x(3x - 5) - 4 = 0$ | |
| 38. $6x + 7 = 5x^2$ | |
| 39. $-15 = x(6x - 19)$ | |
| 40. $-8x = -16x^2 + 1$ | |