

Examples: Factorise

- 1) $4x - 4 = 4(x - 1)$
- 2) $5x^2 - 25 = 5(x^2 - 5)$
- 3) $8y^2 - 16y = 8y(y - 2)$

Exercise: Factorise

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| 1. $3x - 9 = 3(x - 3)$ | 11. $14w^2 - 7 = 7(2w^2 - 1)$ |
| 2. $5y - 20 = 5(y - 4)$ | 12. $5x^2 + x = x(5x + 1)$ |
| 3. $4w - 12 = 4(w - 3)$ | 13. $9t^2 - 6t = 3t(3t - 2)$ |
| 4. $8t + 12 = 4(2t + 3)$ | 14. $12y^2 + 6x = 6(2y^2 + x)$ |
| 5. $6x + 4y = 2(3x + 2y)$ | 15. $21x^2 - 14x = 7x(3x - 2)$ |
| 6. $9y - 12z = 3(3y - 4z)$ | 16. $8z^2 + 20y = 4(2z^2 + 5y)$ |
| 7. $15y - 25 = 5(3y - 5)$ | 17. $15y^2 + 10y = 5y(3y + 2)$ |
| 8. $7y^2 - 21 = 7(y^2 - 3)$ | 18. $y^2 - 11y = y(y - 11)$ |
| 9. $9y + 6w = 3(3y + 2w)$ | 19. $18x^2 - 12y = 6(3x^2 - 2y)$ |
| 10. $6y^2 - y = y(6y - 1)$ | 20. $49x^2 + 14x = 7x(7x + 2)$ |