



Topic 11: Factoring

Questions 1 – 21 Factor completely.

1. $3x^2 + 27$
2. $10x^2 + 10y^2$
3. $12x^9 - 14x^8$
4. $14x^3y^7 + 6x^{11}y^5$
5. $11x^3 + 10x^2 + x$
6. $x^2 - 6x - 40$
7. $x^2 - 11x + 10$
8. $x^2 + 8x + 16$
9. $x^2 - 18x + 81$
10. $3x^2 - 7x - 20$
11. $5x^2 - 23x + 12$
12. $6x^2 + 23x + 20$
13. $64x^2 - 48x + 9$
14. $4x^2 + 15x - 4$
15. $25x^2 - 1$
16. $49 - x^2$
17. $2x^2 - 200$
18. $3x^2 - 48$
19. $8x^2 - 8y^2$
20. $4x^2 - 16x - 20$
21. $6x^2 + 27x + 12$