

Factoring, Difference of 2 Squares

Algorithm

1. Try to use the D-Prop first
2. Take the square root of each term
3. Rewrite the expressions as two factors, one having a “+” and the other having a “-”.

Example:	Factor	$y^2 - 25$
		2. $y \quad 5$
		3. $(y + 5)(y - 5)$

Factor the following

1. $x^2 - 4$

2. $x^2 - 36$

3. $y^2 - 81$

4. $Z^2 - 100$

5. $144 - x^2$

6. $49 - t^2$

7. $4 - 25x^2$

8. $36x^2 - 49$

9. $4x^2 - 1$

10. $2x^2 - 50$

11. $3x^2 - 12$

12. $3x^3 - 12x$

13. $m^8 - 1$

14. $x^2 + 81$