

Semana 6. lección 17.

Factorice los siguientes polinomios.

1.  $x^2 - y^2 = (x + y)(x - y)$

2.  $4x^2 - 81y^4 = (2x + 9y^2)(2x - 9y^2)$

3.  $27a^3 - 8b^6 = (3a - 2b^2) \cdot (9a^2 + 6ab^2 + 4b^4)$

4.  $64m^3 + 125n^6 = (4m + 5n^2)(16m^2 - 20mn^2 + 25n^4)$

5.  $m^4 - 216 = m^4 - 216$

6.  $125x^3 + 1000y^6 = 125(x + 2y^2)(x^2 - 2xy^2 + 4y^4)$

7.  $100m^2 - 81n^2 = (10m + 9n)(10m - 9n)$

8.  $49a^4 - 36b^2 = (7a^2 + 6b)(7a^2 - 6b)$