

Arithmetic with Polynomials - Worksheet 4

Complete the following identities.

1. $\frac{a^2+2ab+b^2}{a+b} =$

6. $(a-b)(a+b) + 2b^2 =$

2. $\frac{a^2-b^2}{a+b} =$

7. $\frac{x^{n+1}}{x} =$

3. $(x-y)(x^2+xy+y^2) =$

8. $(a-b)^3 =$

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

9. $(a+b)^3 =$

5. $x^4 - y^4 =$

10. $\sqrt{a} + \sqrt{b} =$

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