

Math Virtual Learning

Algebra 2A Polynomial Synthetic Division

April 23, 2020



Lesson: Evaluating Polynomials

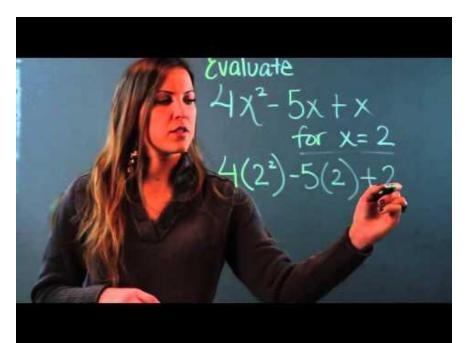
Learning Target: LT D3 I can evaluate polynomial functions.

Objective:

Students will be able to evaluate polynomials. Students will be able to apply the remainder theorem.



You will need to watch the following videos:

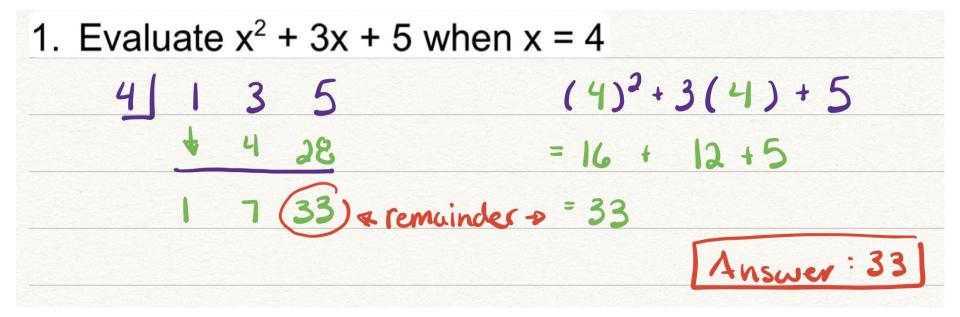


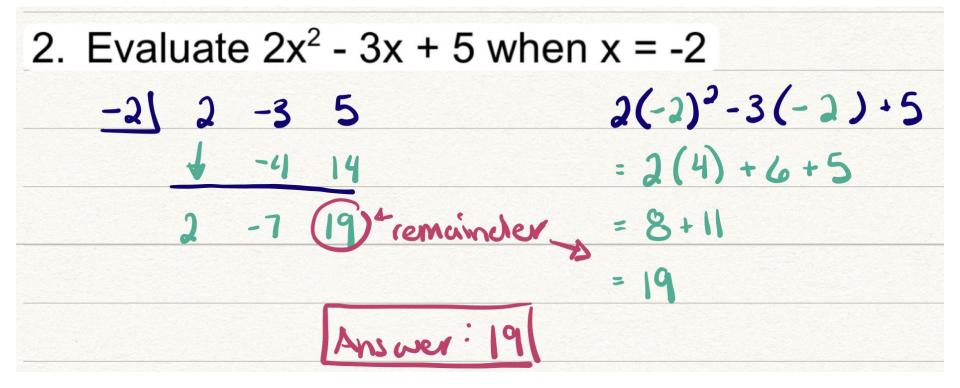
Evaluating Polynomials

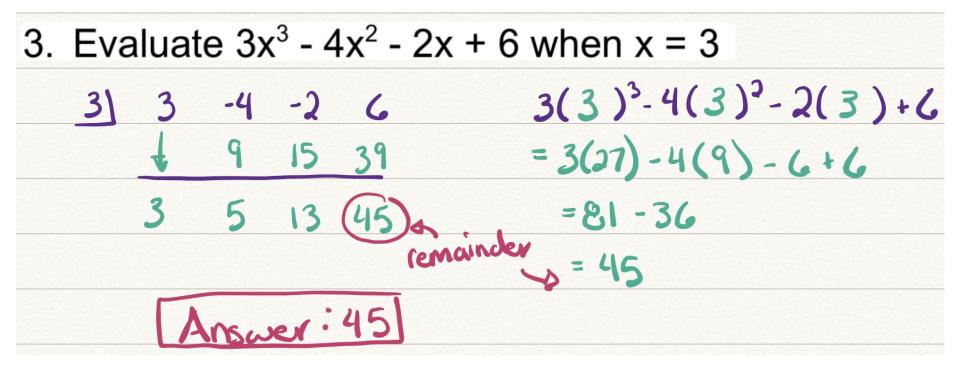
Practice

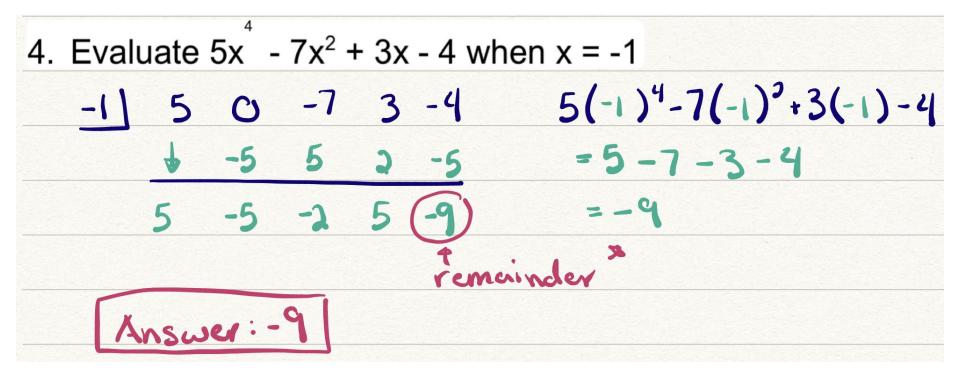
- 1. Evaluate $x^2 + 3x + 5$ when x = 4
- 2. Evaluate $2x^2 3x + 5$ when x = -2
- 3. Evaluate $3x^3 4x^2 2x + 6$ when x = 3

4. Evaluate
$$5x^4 - 7x^2 + 3x - 4$$
 when x = -1









Answers to Practice Problems

- 1. 33
- 2. 19
- 3. 45
- 4. -9

Additional Resources

Evaluating Polynomial Expressions

Remainder Theorem and Synthetic Division of Polynomials

Additional Practice

Evaluating Polynomials