

Day 4 Practice: Using Synthetic Division to Solve Polynomials

- | | |
|---|--|
| <p>1. $f(x) = (x^2 - x - 2)$. Find $f(x) \div (x - 2)$</p> <p>a. Is it a factor? YES or NO</p> <p>b. Show your work:</p> | <p>4. $f(x) = (6x^2 + x^3 - 23 - 4x)$. Find $f(x) \div (x - 7)$</p> <p>a. Is it a factor? YES or NO</p> <p>b. Show your work:</p> |
| <p>2. $f(x) = (x^2 + 12x + 36)$. Find $f(x) \div (x + 2)$</p> <p>a. Is it a factor? YES or NO</p> <p>b. Show your work:</p> | <p>5. $f(x) = (x^3 - 91x - 88)$. Find $f(x) \div (x - 9)$</p> <p>a. Is it a factor? YES or NO</p> <p>b. Show your work:</p> |
| <p>3. $f(x) = (x^2 + 7x + 10)$. Find $f(x) \div (x + 5)$</p> <p>a. Is it a factor? YES or NO</p> <p>b. Show your work:</p> | <p>6. $f(x) = 8x^3 + 74x^2 + 12x - 54$. Find $f(x) \div (x + 9)$</p> <p>a. Is it a factor? YES or NO</p> <p>b. Show your work:</p> |