

Factor Theorem Worksheets

Determine whether each binomial is a factor of the given polynomial.

$$(9x^3 - 18x^2 - 2x + 4) \div (x - 3)$$

$$(x^3 + 4x^2 + 4x + 16) \div (x + 4)$$

$$(4x^3 - 16x^2 + 25x - 100) \div (x - 4)$$

$$(x^3 - 2x^2 + 3x - 6) \div (x - 3)$$

$$(x^3 - 5x^2 + 4x - 20) \div (x - 5)$$

Factor Theorem Worksheets

Determine whether each binomial is a factor of the given polynomial.

$$(9x^3 - 18x^2 - 2x + 4) \div (x - 3)$$

No , R = 79

$$(x^3 + 4x^2 + 4x + 16) \div (x + 4)$$

Yes

$$(4x^3 - 16x^2 + 25x - 100) \div (x - 4)$$

Yes

$$(x^3 - 2x^2 + 3x - 6) \div (x - 3)$$

No , R = 12

$$(x^3 - 5x^2 + 4x - 20) \div (x - 5)$$

Yes