

Remainder Theorem Worksheets

Use the remainder theorem to find the remainders of the following polynomial divisions.

$$(4x^3 + 8x^2 - 3x - 6) \div (x + 2)$$

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

$$(4x^3 - 20x^2 + 25x - 125) \div (x - 6)$$

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

$$(4x^3 - 16x^2 + x - 4) \div (x - 5)$$

Remainder Theorem Worksheets

Use the remainder theorem to find the remainders of the following polynomial divisions.

$$(4x^3 + 8x^2 - 3x - 6) \div (x + 2)$$

$$\text{Remainder} = 0$$

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

$$\text{Remainder} = -10$$

$$(4x^3 - 20x^2 + 25x - 125) \div (x - 6)$$

$$\text{Remainder} = 169$$

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

$$\text{Remainder} = -6$$

$$(4x^3 - 16x^2 + x - 4) \div (x - 5)$$

$$\text{Remainder} = 101$$