

Dividing Polynomials

Divide the polynomials.

1 $(x^2 + 7x + 10) \div (x + 2)$

2 $(x^3 - 11x^2 + 26x + 20) \div (x - 5)$

3 $(x^3 + 7x^2 + 7x - 6) \div (x + 2)$

4 $(2x^3 + 5x^2 - 9x + 20) \div (x + 4)$

5 $(2x^4 - x^3 - 7x^2 - 3x + 10) \div (x - 2)$

6 $(x^3 - 2x^2 - 3x + 10) \div (x + 2)$

7 $(x^3 - 8x^2 + 23x - 28) \div (x^2 - 4x + 7)$

8 $(2x^3 - 5x^2 - 8x + 15) \div (x - 3)$

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Answers

1 $(x^2 + 7x + 10) \div (x + 2)$

2 $(x^3 - 11x^2 + 26x + 20) \div (x - 5)$

3
$$\frac{x + 5}{(x^3 + 7x^2 + 7x - 6) \div (x + 2)}$$

4
$$\frac{x^2 - 6x - 4}{(2x^3 + 5x^2 - 9x + 20) \div (x + 4)}$$

5
$$\frac{x^2 + 5x - 3}{(2x^4 - x^3 - 7x^2 - 3x + 10) \div (x - 2)}$$

6
$$\frac{2x^2 - 3x + 3 + \frac{8}{x + 4}}{(x^3 - 2x^2 - 3x + 10) \div (x + 2)}$$

7
$$\frac{2x^3 + 3x^2 - x - 5}{(x^3 - 8x^2 + 23x - 28) \div (x^2 - 4x + 7)}$$

8
$$\frac{x^2 - 4x + 5}{(2x^3 - 5x^2 - 8x + 15) \div (x - 3)}$$

$$\frac{x - 4}{}$$

$$\frac{2x^2 + x - 5}{}$$