Partial Fraction Decomposition of Rational Functions · 1

$$\frac{-8x + 51}{x^2 - 13x + 42} = \frac{A}{x - 7} + \frac{B}{x - 6}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 2

$$\frac{4x - 35}{x^2 - 7x} = \frac{A}{x} + \frac{B}{x - 7}.$$ Find A and B.

Partial Fraction Decomposition of Rational Functions · 3

$$\frac{12x + 30}{x^2 + 5x - 6} = \frac{A}{x + 6} + \frac{B}{x - 1}.$$ Find A and B.

Partial Fraction Decomposition of Rational Functions · 4

$$\frac{-11x + 10}{2x^2 - 5x + 2} = \frac{A}{2x - 1} + \frac{B}{x - 2}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 5

$$\frac{9x - 33}{x^2 - 7x + 12} = \frac{A}{x - 4} + \frac{B}{x - 3}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 6

$$\frac{-7x - 12}{x^2 + 2x} = \frac{A}{x} + \frac{B}{x + 2}.$$ Find A and B.

Partial Fraction Decomposition of Rational Functions · 7

$$\frac{4x - 29}{x^2 - x - 20} = \frac{A}{x - 5} + \frac{B}{x + 4}.$$ Find A and B.

Partial Fraction Decomposition of Rational Functions · 8

$$\frac{10x - 27}{2x^2 - 11x + 15} = \frac{A}{2x - 5} + \frac{B}{x - 3}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 2

ANSWER

A = 5, B = -1

Partial Fraction Decomposition of Rational Functions · 1

ANSWER

A = -5, B = -3

Partial Fraction Decomposition of Rational Functions · 4

ANSWER

A = -3, B = -4

Partial Fraction Decomposition of Rational Functions · 3

ANSWER

A = 6, B = 6

Partial Fraction Decomposition of Rational Functions · 6

ANSWER

A = -6, B = -1

Partial Fraction Decomposition of Rational Functions · 5

ANSWER

A = 3, B = 6

Partial Fraction Decomposition of Rational Functions · 8

ANSWER

A = 4, B = 3

Partial Fraction Decomposition of Rational Functions · 7

ANSWER

A = -1, B = 5

Partial Fraction Decomposition of Rational Functions · 9

$$\frac{x + 6}{x^2 + 3x + 2} = \frac{A}{x + 1} + \frac{B}{x + 2}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 10

$$\frac{13x - 34}{3x^2 - 23x + 14} = \frac{A}{3x - 2} + \frac{B}{x - 7}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 11

$$\frac{-x^2 - 25x + 170}{x^3 - 4x^2 - 25x + 100} = \frac{A}{x + 5} + \frac{B}{x - 4} + \frac{C}{x - 5}.$$

Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 12

$$\frac{10x - 58}{x^2 - 10x + 21} = \frac{A}{x - 7} + \frac{B}{x - 3}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 13

$$\frac{-11x + 22}{2x^2 + 9x - 5} = \frac{A}{2x - 1} + \frac{B}{x + 5}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 14

$$\frac{-x + 20}{x^2 - 4x} = \frac{A}{x} + \frac{B}{x - 4}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 15

$$\frac{-3x - 19}{x^2 + 6x + 5} = \frac{A}{x + 1} + \frac{B}{x + 5}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 16

$$\frac{-10x - 18}{2x^2 + 7x + 6} = \frac{A}{2x + 3} + \frac{B}{x + 2}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 10

ANSWER

A = 4, B = 3

Partial Fraction Decomposition of Rational Functions · 9

ANSWER

A = 5, B = -4

Partial Fraction Decomposition of Rational Functions · 12

ANSWER

A = 3, B = 7

Partial Fraction Decomposition of Rational Functions · 11

ANSWER

A = 3, B = -6, C = 2

Partial Fraction Decomposition of Rational Functions · 14

ANSWER

A = -5, B = 4

Partial Fraction Decomposition of Rational Functions · 13

ANSWER

A = 3, B = -7

Partial Fraction Decomposition of Rational Functions · 16

ANSWER

A = -6, B = -2

Partial Fraction Decomposition of Rational Functions · 15

ANSWER

A = -4, B = 1

Partial Fraction Decomposition of Rational Functions · 17

$$\frac{14x - 10}{x^2 - 25} = \frac{A}{x + 5} + \frac{B}{x - 5}$$. Find A and B.

Partial Fraction Decomposition of Rational Functions · 18

$$\frac{-10x + 48}{2x^2 - 17x + 21} = \frac{A}{2x - 3} + \frac{B}{x - 7}$$.

Find A and B.

Partial Fraction Decomposition of Rational Functions · 19

$$\frac{-4x^2 - 25x + 20}{x^3 + x^2 - 20x} = \frac{A}{x + 5} + \frac{B}{x - 4} + \frac{C}{x}$$.

Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 20

$$\frac{6x - 27}{x^2 - 9x + 14} = \frac{A}{x - 2} + \frac{B}{x - 7}$$.

Find A and B.

Partial Fraction Decomposition of Rational Functions · 21

$$\frac{-3x + 8}{2x^2 + 11x - 6} = \frac{A}{2x - 1} + \frac{B}{x + 6}$$.

Find A and B.

Partial Fraction Decomposition of Rational Functions · 22

$$\frac{-4x - 12}{x^2 - 4x} = \frac{A}{x} + \frac{B}{x - 4}$$. Find A and B.

Partial Fraction Decomposition of Rational Functions · 23

$$\frac{8x - 34}{x^2 - 7x + 10} = \frac{A}{x - 5} + \frac{B}{x - 2}$$.

Find A and B.

Partial Fraction Decomposition of Rational Functions · 24

$$\frac{-4x - 18}{3x^2 - 8x - 3} = \frac{A}{3x + 1} + \frac{B}{x - 3}$$.

Find A and B.

Partial Fraction Decomposition of Rational Functions · 18

ANSWER

A = -6, B = -2

Partial Fraction Decomposition of Rational Functions · 17

ANSWER

A = 8, B = 6

Partial Fraction Decomposition of Rational Functions · 20

ANSWER

A = 3, B = 3

Partial Fraction Decomposition of Rational Functions · 19

ANSWER

A = 1, B = -4, C = -1

Partial Fraction Decomposition of Rational Functions · 22

ANSWER

A = 3, B = -7

Partial Fraction Decomposition of Rational Functions · 21

ANSWER

A = 1, B = -2

Partial Fraction Decomposition of Rational Functions · 24

ANSWER

A = 5, B = -3

Partial Fraction Decomposition of Rational Functions · 23

ANSWER

A = 2, B = 6