Partial Fraction Decomposition of Rational Functions · 1

$$\frac{-5x^2 + 30x + 11}{x^3 - 4x^2 - 17x + 60} = \frac{A}{x - 5} + \frac{B}{x - 3} + \frac{C}{x + 4}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 2

$$\frac{6x + 13}{2x^2 - 3x - 2} = \frac{A}{2x + 1} + \frac{B}{x - 2}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 3

$$\frac{3x^2 + 16x - 8}{x^3 - x^2 - 2x} = \frac{A}{x + 1} + \frac{B}{x - 2} + \frac{C}{x}.$$

Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 4

$$\frac{7x + 52}{x^2 + 11x + 28} = \frac{A}{x + 4} + \frac{B}{x + 7}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 5

$$\frac{-6x^2 - 64x - 128}{x^3 + 6x^2 - x - 30} = \frac{A}{x - 2} + \frac{B}{x + 3} + \frac{C}{x + 5}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 6

$$\frac{25x - 24}{2x^2 + x - 15} = \frac{A}{2x - 5} + \frac{B}{x + 3}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 7

$$\frac{8x^2 + 40x + 40}{x^3 + 6x^2 + 11x + 6} = \frac{A}{x + 2} + \frac{B}{x + 3} + \frac{C}{x + 1}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 8

$$\frac{6x - 9}{x^2 - 9x + 18} = \frac{A}{x - 3} + \frac{B}{x - 6}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 2

ANSWER

A = -4, B = 5

Partial Fraction Decomposition of Rational Functions · 1

ANSWER

A = 2, B = -4, C = -3

Partial Fraction Decomposition of Rational Functions · 4

ANSWER

A = 8, B = -1

Partial Fraction Decomposition of Rational Functions · 3

ANSWER

A = -7, B = 6, C = 4

Partial Fraction Decomposition of Rational Functions · 6

ANSWER

A = 7, B = 9

Partial Fraction Decomposition of Rational Functions · 5

ANSWER

A = -8, B = -1, C = 3

Partial Fraction Decomposition of Rational Functions · 8

ANSWER

A = -3, B = 9

Partial Fraction Decomposition of Rational Functions · 7

ANSWER

A = 8, B = -4, C = 4

Partial Fraction Decomposition of Rational Functions · 9

$$\frac{18x^2 - 87x + 48}{x^3 - 7x^2 + 2x + 40} = \frac{A}{x - 5} + \frac{B}{x + 2} + \frac{C}{x - 4}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 10

$$\frac{14x - 6}{3x^2 + 11x - 20} = \frac{A}{3x - 4} + \frac{B}{x + 5}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 11

$$\frac{-3x^2 - 6x + 60}{x^3 - 7x^2 + 12x} = \frac{A}{x - 4} + \frac{B}{x} + \frac{C}{x - 3}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 12

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

Find A and B.

Partial Fraction Decomposition of Rational Functions · 13

$$\frac{5x^2 - 63x + 120}{x^3 - 8x^2 + 15x} = \frac{A}{x - 3} + \frac{B}{x - 5} + \frac{C}{x}.$$

Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 14

$$\frac{24x + 17}{3x^2 - 13x - 30} = \frac{A}{3x + 5} + \frac{B}{x - 6}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 15

$$\frac{-x^2 - 6x + 30}{x^3 - 5x^2 + 6x} = \frac{A}{x} + \frac{B}{x - 2} + \frac{C}{x - 3}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 16

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

Partial Fraction Decomposition of Rational Functions · 10

ANSWER

A = 2, B = 4

Partial Fraction Decomposition of Rational Functions · 9

ANSWER

A = 9, B = 7, C = 2

Partial Fraction Decomposition of Rational Functions · 12

ANSWER

A = -1, B = 2

Partial Fraction Decomposition of Rational Functions · 11

ANSWER

A = -3, B = 5, C = -5

Partial Fraction Decomposition of Rational Functions · 14

ANSWER

A = 3, B = 7

Partial Fraction Decomposition of Rational Functions · 13

ANSWER

A = 4, B = -7, C = 8

Partial Fraction Decomposition of Rational Functions · 16

ANSWER

A = 4, B = -6

Partial Fraction Decomposition of Rational Functions · 15

ANSWER

A = 5, B = -7, C = 1

Partial Fraction Decomposition of Rational Functions · 17

$$\frac{-5x^2 + 8x + 39}{x^3 + 6x^2 - x - 30} = \frac{A}{x + 5} + \frac{B}{x - 2} + \frac{C}{x + 3}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 18

$$\frac{-15x + 50}{2x^2 - 17x + 21} = \frac{A}{2x - 3} + \frac{B}{x - 7}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 19

$$\frac{6x^2 + 21x - 81}{x^3 - 4x^2 + x + 6} = \frac{A}{x - 3} + \frac{B}{x - 2} + \frac{C}{x + 1}.$$

Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 20

$$\frac{72}{x^2 + x - 20} = \frac{A}{x - 4} + \frac{B}{x + 5}$$. Find A and B.

Partial Fraction Decomposition of Rational Functions · 21

$$\frac{-4x^2 - 42x - 140}{x^3 + 9x^2 + 20x} = \frac{A}{x + 5} + \frac{B}{x} + \frac{C}{x + 4}.$$

Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 22

$$\frac{18x - 50}{3x^2 - 23x + 14} = \frac{A}{3x - 2} + \frac{B}{x - 7}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 23

$$\frac{-7x^2 - 20x + 20}{x^3 + 4x^2 - 4x - 16} = \frac{A}{x + 4} + \frac{B}{x - 2} + \frac{C}{x + 2}$$. Find A, B and C.

Partial Fraction Decomposition of Rational Functions · 24

$$\frac{-x - 45}{x^2 + 2x - 15} = \frac{A}{x - 3} + \frac{B}{x + 5}.$$

Find A and B.

Partial Fraction Decomposition of Rational Functions · 18

ANSWER

A = -5, B = -5

Partial Fraction Decomposition of Rational Functions · 17

ANSWER

A = -9, B = 1, C = 3

Partial Fraction Decomposition of Rational Functions · 20

ANSWER

A = 8, B = -8

Partial Fraction Decomposition of Rational Functions · 19

ANSWER

A = 9, B = 5, C = -8

Partial Fraction Decomposition of Rational Functions · 22

ANSWER

A = 6, B = 4

Partial Fraction Decomposition of Rational Functions · 21

ANSWER

A = -6, B = -7, C = 9

Partial Fraction Decomposition of Rational Functions · 24

ANSWER

A = -6, B = 5

Partial Fraction Decomposition of Rational Functions · 23

ANSWER

A = -1, B = -2, C = -4