Task card 1 Partial Fraction Decomposition of...

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

Find A and B.

Task card 2 Partial Fraction Decomposition of...

$$\frac{5x + 4}{x^2 + x - 2} = \frac{A}{x + 2} + \frac{B}{x - 1}.$$

Find A and B.

Task card 3 Partial Fraction Decomposition of...

$$\frac{5x + 11}{x^2 + 4x + 3} = \frac{A}{x + 1} + \frac{B}{x + 3}.$$ Find A and B.

Task card 4 Partial Fraction Decomposition of...

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

Find A and B.

Task card 5 Partial Fraction Decomposition of...

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

Find A and B.

Task card 6 Partial Fraction Decomposition of...

$$\frac{4x + 14}{x^2 + 7x + 12} = \frac{A}{x + 3} + \frac{B}{x + 4}.$$ Find A and B.

Task card 7 Partial Fraction Decomposition of...

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

Find A and B.

Task card 8 Partial Fraction Decomposition of...

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

Find A and B.

Task card 9 Partial Fraction Decomposition of...

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

Find A and B.

Task card 10 Partial Fraction Decomposition of...

$$\frac{7x + 7}{x^2 + 3x - 10} = \frac{A}{x - 2} + \frac{B}{x + 5}.$$ Find A and B.

Task card 11 Partial Fraction Decomposition of...

$$\frac{7x + 8}{x^2 + 3x - 4} = \frac{A}{x - 1} + \frac{B}{x + 4}.$$

Find A and B.

Task card 12 Partial Fraction Decomposition of...

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

Find A and B.

Task card 13 Partial Fraction Decomposition of...

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

Find A and B.

Task card 14 Partial Fraction Decomposition of...

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

Find A and B.

Task card 15 Partial Fraction Decomposition of...

$$\frac{2x}{x^2 - 16} = \frac{A}{x + 4} + \frac{B}{x - 4}$$

. Find A and B.

Task card 16 Partial Fraction Decomposition of...

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

Find A and B.

Task card 17 Partial Fraction Decomposition of...

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

Find A and B.

Task card 18 Partial Fraction Decomposition of...

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

Find A and B.

Task card 19 Partial Fraction Decomposition of...

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

Find A and B.

Task card 20 Partial Fraction Decomposition of...

$$\frac{-7x + 26}{3x^2 - 20x + 12} = \frac{A}{3x - 2} + \frac{B}{x - 6}.$$ Find A and B.

Task card 21 Partial Fraction Decomposition of...

$$\frac{7x - 30}{x^2 - 9x + 20} = \frac{A}{x - 4} + \frac{B}{x - 5}.$$

Find A and B.

Task card 22 Partial Fraction Decomposition of...

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

Find A and B.

Task card 23 Partial Fraction Decomposition of...

$$\frac{8x - 32}{x^2 - 8x + 12} = \frac{A}{x - 2} + \frac{B}{x - 6}.$$

Find A and B.

Task card 24 Partial Fraction Decomposition of...

$$\frac{8x + 4}{3x^2 + 13x + 12} = \frac{A}{3x + 4} + \frac{B}{x + 3}.$$ Find A and B.

Partial Fraction Decomposition of Rational Functions Task Cards

Recording sheet · Grade 12 · Find the constants. Write your answer like A = 2, B = -3 (and C = … if there is a third fraction).

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Partial Fraction Decomposition of Rational Functions Task Cards: Answer Key

Grade 12 · Easy

The answers online

1. A = 2, B = 1	**2.** A = 2, B = 3	**3.** A = 3, B = 2
4. A = 3, B = 3	**5.** A = 3, B = 3	**6.** A = 2, B = 2
7. A = 1, B = 2	**8.** A = 2, B = 3	**9.** A = 1, B = 3
10. A = 3, B = 4	**11.** A = 3, B = 4	**12.** A = 4, B = 1
13. A = 4, B = 4	**14.** A = 4, B = 3	**15.** A = 1, B = 1
16. A = 1, B = 3	**17.** A = -3, B = -1	**18.** A = 5, B = -4
19. A = 3, B = -3	**20.** A = -4, B = -1	**21.** A = 2, B = 5
22. A = -2, B = -1	**23.** A = 4, B = 4	**24.** A = -4, B = 4