

Advanced Higher Maths

Partial Fractions

2001

A5 (a): Obtain partial fractions for $\frac{x}{x^2-1}$, $x > 1$. (2 marks)

2002

Ist part of A8: Express $\frac{x^2}{(x+1)^2}$ in the form $A + \frac{B}{x+1} + \frac{C}{(x+1)^2}$, ($x \neq -1$) stating the values of the constants A , B and C . (3 marks)

2004

Ist part of Q5: Express $\frac{1}{x^2-x-6}$ in partial fractions. (2 marks)

2005

Ist part of Q13: Express $\frac{1}{x^3+x}$ in partial fractions. (4 marks)

2007

Ist part of Q4: Express $\frac{2x^2-9x-6}{x(x^2-x-6)}$ in partial fractions. (3 marks)

2008

Ist part of Q4: Express $\frac{12x^2+20}{x(x^2+5)}$ in partial fractions. (3 marks)

2009

Ist part of Q14: Express $\frac{x^2+6x-4}{(x+2)^2(x-4)}$ in partial fractions. (4 marks)

2011

Ist part of Q1: Express $\frac{13-x}{x^2+4x-5}$ in partial fractions. (3 marks)

2012

Q15(a): Express $\frac{1}{(x-1)(x+2)^2}$ in partial fractions. (4 marks)

2014

Ist part of Q14(b): Express $\frac{1}{3r^2-5r+2}$ in partial fractions. (2 marks)