PARTIAL FRACTIONS, LINEAR FACTORS

2 Reduce each rational function to its partial fractions.

(a) $\dfrac{4}{(x-1)(x+3)}$ **(b)** $\dfrac{2x-1}{(x+2)(x-3)}$

(c) $\dfrac{3x+1}{x(x+1)}$ (d) $\dfrac{2x^2-6x-2}{x(x-1)(x+2)}$

PARTIAL FRACTIONS, LINEAR FACTORS

(a) $\dfrac{3x-19}{(x+3)(2x-1)}$ (b) $\dfrac{5x}{x^2+x-6}$

(e) $\dfrac{3(3x+1)}{x^2-9}$

(f) $\dfrac{1-2x}{2x^2+7x+6}$

(g) $\dfrac{2x^2+x+6}{x^2-4}$

(h) $\dfrac{2x^3+x^2-x-3}{x(x-1)(2x+3)}$

PARTIAL FRACTIONS, LINEAR FACTORS

7 Reduce $\dfrac{5x^2+26x+29}{x^3+6x^2+11x+6}$ to its partial fractions.