

أوجد الكسور الجزئية لكل مما يأتي

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$$\frac{5x - 13}{(x - 3)(x - 2)}$$

$$\frac{5x - 7}{x^2 - 3x + 2}$$

$$\frac{x + 4}{(x + 1)^2}$$

$$\frac{2x + 2}{x^2 - 2x + 1}$$

$$\int \frac{dx}{1 - x^2}$$

$$\int \frac{dx}{x^2 + 2x}$$

$$\int \frac{dt}{t^3 + t^2 - 2t}$$

$$\int_4^8 \frac{y dy}{y^2 - 2y - 3}$$

$$(t^2 - 3t + 2) \frac{dx}{dt} = 1 \quad (t > 2), \quad x(3) = 0$$

$$\int \frac{x^2 dx}{(x-1)(x^2+2x+1)}$$

$$\int \frac{1}{x(1+x)^2} dx$$

$$\int \frac{1}{x^2(x+1)} dx$$