

Partial Fractions

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$$\frac{4x^2 - 5x - 15}{x(x+1)(x-5)} =$$

$$\frac{3x^2 + 49}{x(x+7)^2} =$$

$$\frac{5x^2 - 9x + 19}{(x-4)(x^2 + 5)} =$$

$$\frac{x^2 + 2x + 3}{(x+4)^2} =$$