Find 
$$\int \frac{7x-1}{2x^2-x-1} dx$$

$$= \int \frac{7x-1}{(2x+1)(x-1)} dx \qquad \frac{A}{2x+1} + \frac{B}{x-1}$$

$$= \int \left(\frac{3}{2\pi+1}\right) dx + \int \left(\frac{2}{x-1}\right) dx$$

$$\frac{A}{2\pi + 1} + \frac{B}{x-1}$$

$$= \frac{Ax - A + 2Bx + B}{(2x+1)(x-1)}$$