7-4 Partin trum,
8.
$$\int 3 + \frac{7}{41} = \int (3 + \frac{1}{41}) + \frac{5}{41}) dt$$

= $3 \int 1 + \frac{5}{41} + \frac{5$

11.
$$\int \frac{2}{2x^{2}+3x+1} = 2 \cdot \int \left(\frac{A}{2x+1} + \frac{B}{x+1}\right)$$

$$\frac{A}{2x+1} + \frac{B}{x+1} = \frac{B1}{2x^{2}+3x+1}$$

$$\left[2\left(\frac{x+1}{2x+1}\right) + B\left(\frac{2x+1}{2x+1}\right) = \frac{B}{x+1}$$

$$2\int \frac{1}{2x+1} dx - \int \frac{B}{x+1} dx = 2$$

$$2\left(\ln(2x+1) - \ln(x+1)\right) + C$$

26. $\frac{4^2}{(x+1)^2}$ $\frac{4^2+x+1}{(x^2+1)^2} = \frac{A}{x^2+1} + \frac{B}{(x^2+1)^2}$ Help!

Why is it $A = \frac{A}{(x^2+1)} + \frac{B}{(x^2+1)^2}$ $A = \frac{A}{(x^2+1)^2} + \frac{A}{(x^2+1)^2}$ And not the regular $A = \frac{A}{(x^2+1)^2}$

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