First to to factor & - 11x + 6.

Note that x2-4x+6=0 has roots 4± 16-4(6)

which are imaginary. (The form under the synare rust is hegative.)

Thus it is recoducible.

Non use Partial Frackors.

16 x=-1

$$8-3x=11=A(1+4+6)+0$$

$$\int \frac{8^{-3}x}{(x^{2}-4x+6)} dx = \int \frac{1}{x+1} + \frac{-x+2}{x^{2}-4x+6} dx + \frac{(2x-4)dy}{(-x)(x^{2}-4x+6)} dx = \int \frac{1}{x+1} + \frac{-x+2}{x^{2}-4x+6} dx + \frac{(2x-4)dy}{(-x)(x^{2}-4x+6)} dx = \int \frac{1}{x+1} + \frac{1}{x^{2}-4x+6} dx + \frac{(2x-4)dy}{(-x)(x^{2}-4x+6)} dx = \int \frac{1}{x+1} + \frac{1}{x^{2}-4x+6} dx + \frac{(2x-4)dy}{(-x)(x^{2}-4x+6)} dx$$