(6) $$\int \frac{2x-1}{x^2-x+12}\,dx = \left| \begin{array}{l} x^2-x+12 = t \\ (2x-1)dx = dt \end{array} \right| =$$

$$= \int \frac{1}{t}\,dt = \ln|t| = \underline{\ln|x^2-x+12| + C} =$$

$$= \underline{\ln(x^2-x+12) + C}$$