12 32

$$\begin{array}{ll}
12.32 \\
\text{(Sin } \times 1) = \frac{1}{1} \\
\text$$

V - S . V

$$\int \frac{3}{4+5\sin x} dx = \begin{bmatrix} + \pm \tan(\frac{1}{2}) & x = 2 \arctan + \\ \frac{dx}{dt} = \frac{2}{1+t^2} & dx = \frac{2}{1+t^2} dt = \end{bmatrix} = \int \frac{3}{4+5 \cdot \frac{2+}{1+t^2}} \cdot \frac{2}{1+t^2} dt = \int \frac{3}{4+5 \cdot \frac{2+}{1+t^2}} \cdot \frac{2}{1+t^2} dt = \int \frac{3}{4+5 \cdot \frac{2+}{1+t^2}} dt = \int \frac{3}{4+5 \cdot \frac{2+}{1+t^2$$

$$3 = A + 2A + B + \frac{1}{2}B = (A+B) + + 2A + \frac{1}{2}B$$

$$A+B=0$$
 $B=-A$ $2A+\frac{1}{2}B=3$ $2A-\frac{1}{2}A=3$ $\frac{3}{2}A=3$ $A=2$

$$\int \frac{2}{1+\sqrt{2}} - \frac{2}{1+\sqrt{2}} dt = 2\ln|t+\sqrt{2}| - 2\ln|t+2| + C = 2\ln\left|\frac{t+\sqrt{2}}{t+2}\right| + C = 2\ln\left|\frac{t+\sqrt{2}}{t+2}\right| + C$$