

2.74  
y

$$\textcircled{R} \int \frac{2x^2-1}{x+1} dx = \int \frac{2(x+1)(x-1)+1}{x+1} dx = \int \left( 2(x-1) + \frac{1}{x+1} \right) dx = (x-1)^2 + \ln|x+1| + C$$

$\ln x^2 - 2x + \ln|x+1| + C$

$$\textcircled{D} \int \frac{\ln x}{1-gx} dx = \int \frac{\frac{dt}{t}}{1-gx} = \ln|1+1| + C = \ln|1-gx| + C$$

$\downarrow$   
p. 31  
-gx = t  
ln x dx = dt