$$\int_3^7 e^{\operatorname{sen} x} \cos x \, dx = \frac{1}{\cos(x)} = \frac{1 \cdot e^{\operatorname{sen} x}}{\cos(x)} \Big|_3^7$$

$$= e^{\operatorname{sen}(7)} - e^{\operatorname{sen}(3)} \quad //$$

$$\int_0^1 \frac{1}{1+x^2} \, dx = \frac{1}{1} \cdot \operatorname{arc\,tg}\left(\frac{x}{1}\right) = \operatorname{arc\,tg} x$$

$$= \operatorname{arc\,tg}(x) \Big|_0^1 = \operatorname{arc\,tg}(1) - \operatorname{arc\,tg}(0)$$

$$= \frac{\pi}{4} - 0 = \frac{\pi}{4} \quad //$$

$$\int \frac{e^x}{3+4e^x}\,dx = \frac{1}{4}\int \frac{4e^x}{3+4e^x}\,dx = \frac{1}{4}\cdot \ln|3+4e^x| + C_{//}$$

$$\int \operatorname{Sen}\frac{x}{3}\,dx = \frac{1}{3}\cdot 1 = \frac{1}{3}$$

$$\int \operatorname{Sen}\left(\frac{x}{3}\right)\cdot 3 = 3\cdot\int \operatorname{Sen}\left(\frac{x}{3}\right)$$

$$= 3\cdot\left(-\cos\left(\frac{3}{3}\right)\right) + C_{//}$$