Practice Review Integrals – Math 307

1. $\displaystyle\int x \sin(3x)\, dx$

2. $\displaystyle\int e^{3x} \cos 5x\, dx$

3. $\displaystyle\int x^2 e^{-2x}\, dx$

4. $\displaystyle\int \sin x \cos x\, dx$

5. $\displaystyle\int \cos^2 x\, dx$

6. $\displaystyle\int \frac{1}{x \cdot (\ln x)^2}\, dx$

7. $\displaystyle\int e^{(3-\cos x)} \sin x\, dx$