4 $F(x) = 4\mathrm{e}^x - x^2 + C.$

$G(x) = x^3 + 5\mathrm{e}^x + C.$

6 $F(x) = x^3 + \dfrac{4}{x} + C.$

$G(x) = x - \dfrac{2}{x} + \dfrac{1}{3x^3} + C.$

7 $F(t) = \dfrac{t^2}{2} + 2\ln t + C.$

$G(t) = 3\mathrm{e}^t + 5\ln t + C.$

9 $F(x) = \mathrm{e}^{2x} + C.$

12 $F(x) = \dfrac{x^2}{2} - \dfrac{4}{3}\mathrm{e}^{-3x} + C.$

13 On a $f = \mathrm{e}^u \times u'$ avec $u(x) = x^2$

d'où $F(x) = \mathrm{e}^{u(x)} + C = \mathrm{e}^{x^2} + C.$