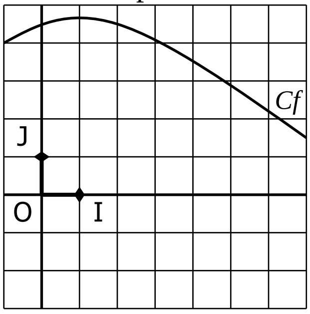
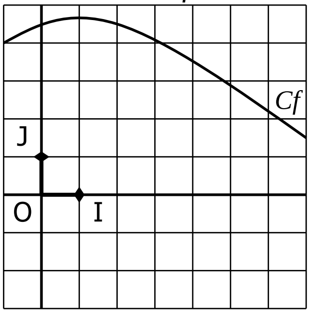
EXERCICES 2A.1

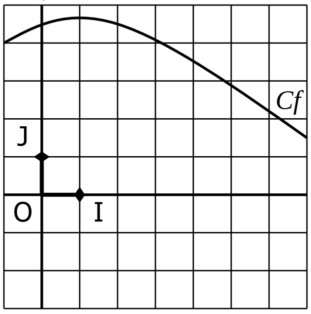
a. On a représenté la courbe de la fonction *f*. Dans chaque cas, hachurer la zone indiquée.



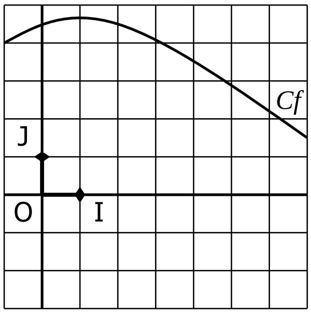
$$A = \int_2^5 f(x)\,dx$$



$$A = \int_3^6 f(x)\,dx$$

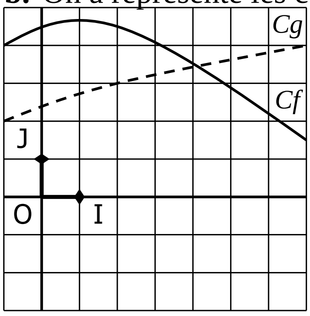


$$A = \int_1^5 f(x)-2\,dx$$

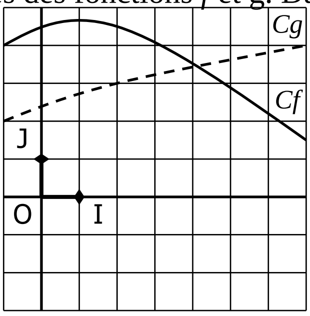


$$A = \int_0^3 f(x)-x\,dx$$

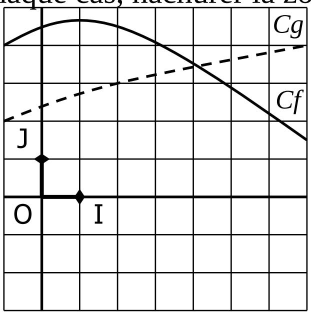
b. On a représenté les courbes des fonctions *f* et g. Dans chaque cas, hachurer la zone indiquée.



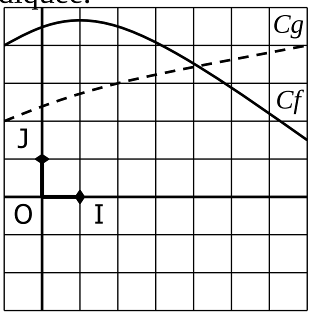
$$A = \int_1^3 g(x)\,dx$$



$$A = \int_0^4 f(x)-g(x)\,dx$$



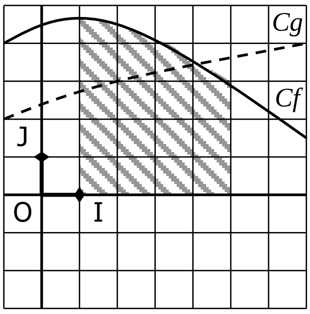
$$A = \int_5^7 g(x)-f(x)\,dx$$

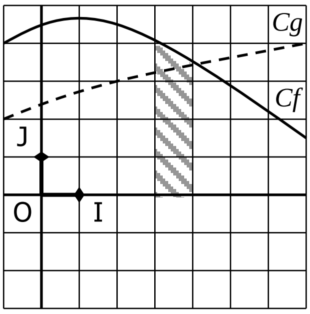


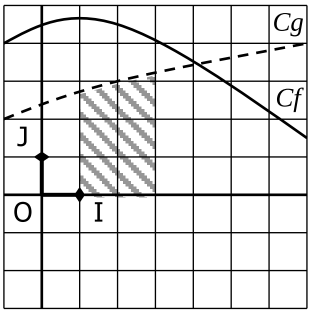
$$A = \int_0^3 g(x)-x\,dx$$

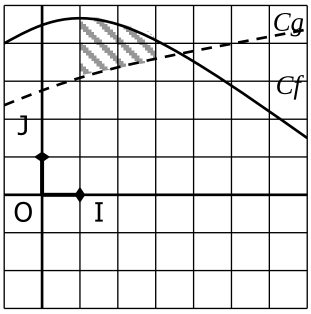
EXERCICES 2A.2

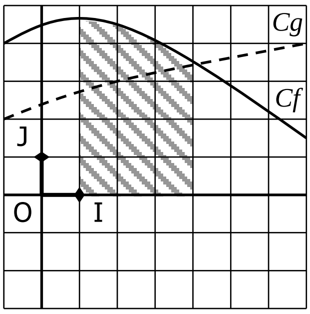
On a représenté les courbes des fonctions *f* et g. Définir par une intégrale la zone colorée.

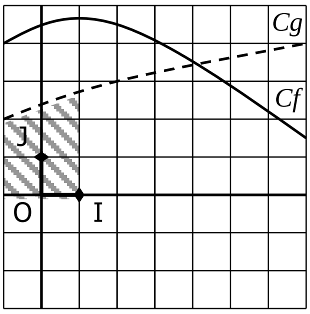


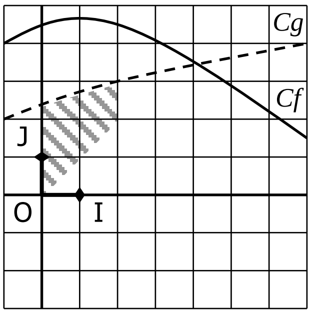


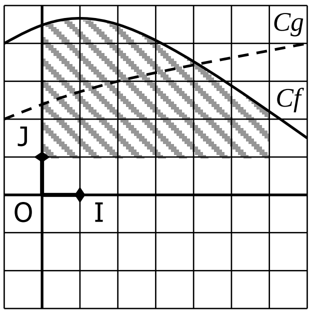








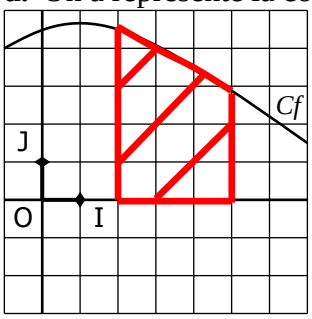




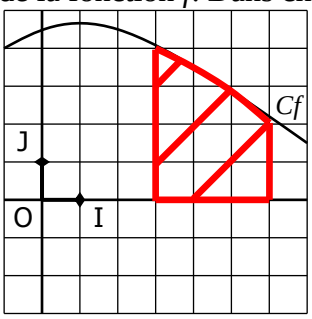
CORRIGE – NOTRE DAME DE LA MERCI – MONTPELLIER – M. QUET

EXERCICES 2A.1

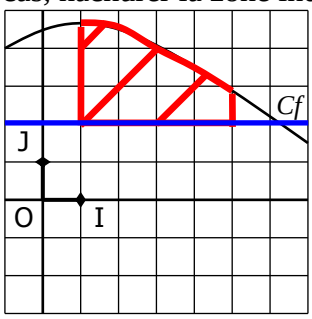
a. On a représenté la courbe de la fonction *f*. Dans chaque cas, hachurer la zone indiquée.



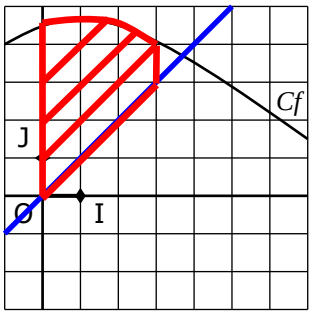
$$A=\int_2^5 f(x)\,dx$$



$$A=\int_3^6 f(x)\,dx$$

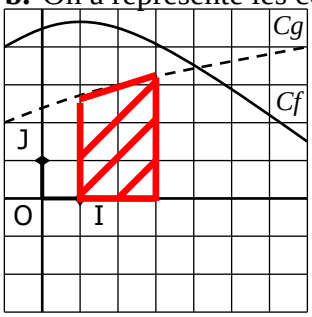


$$A=\int_1^5 f(x)-2\,dx$$

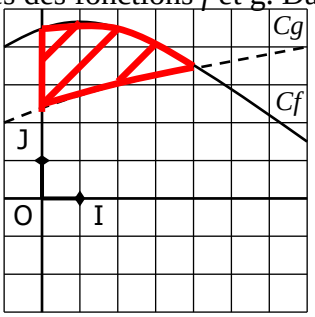


$$A=\int_0^3 f(x)-x\,dx$$

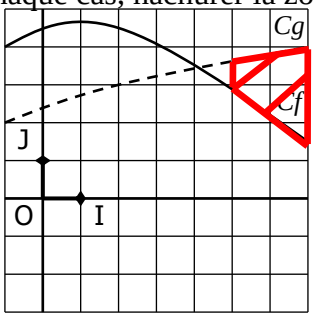
b. On a représenté les courbes des fonctions *f* et g. Dans chaque cas, hachurer la zone indiquée.



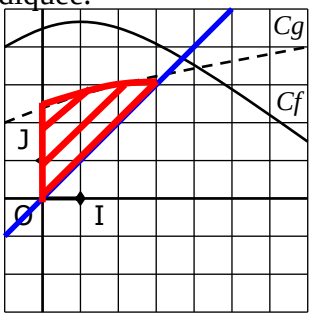
$$A=\int_1^3 g(x)\,dx$$



$$A=\int_0^4 f(x)-g(x)\,dx$$



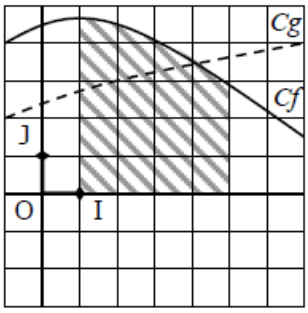
$$A=\int_5^7 g(x)-f(x)\,dx$$



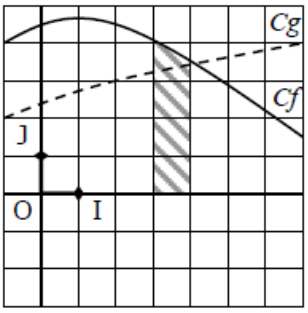
$$A=\int_0^3 g(x)-x\,dx$$

EXERCICES 2A.2

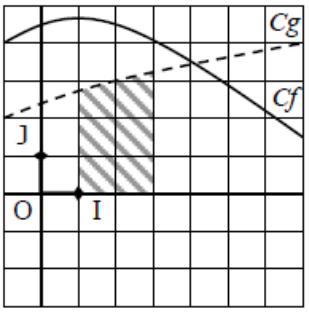
On a représenté les courbes des fonctions *f* et g. Définir par une intégrale la zone colorée.



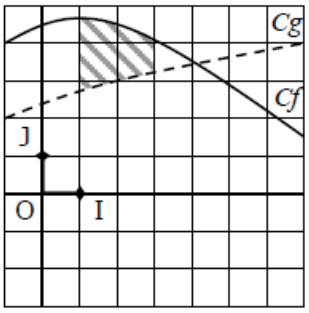
$$A=\int_1^5 f(x)\,dx$$



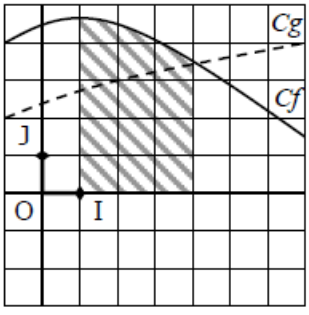
$$A=\int_3^4 f(x)\,dx$$



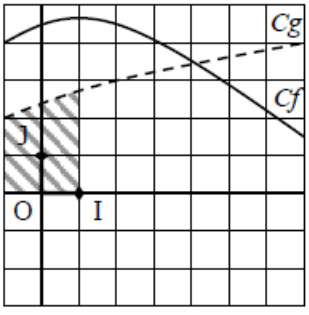
$$A=\int_1^3 g(x)\,dx$$



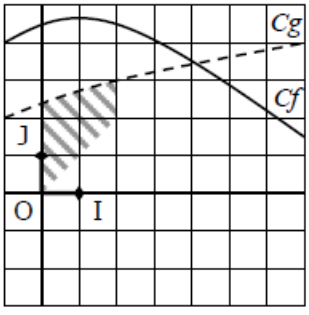
$$A=\int_1^3 \big(f(x)-g(x)\big)\,dx$$



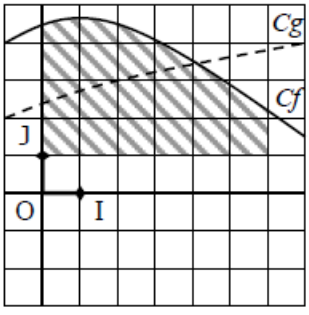
$$A=\int_1^4 f(x)\,dx$$



$$A=\int_{-1}^1 g(x)\,dx$$



$$A=\int_0^2 \big(g(x)-x\big)\,dx$$



$$A=\int_0^6 \big(f(x)-1\big)\,dx$$