1) For all values of x,

$f(x) = x^2 - 2, \quad g(x) = x + 6$

a) Find f(5)

b) Find f(-1)

c) Find g(3)

d) Find g(-5)

2) For all values of x,

$f(x) = x^2 - 2, \quad g(x) = x + 6$

a) Find fg(3)

b) Find gf(3)

c) Find gf(0)

3) For all values of x,

$f(x) = x^2 + 3x, \quad g(x) = x + 5$

a) Find fg(x)

b) Find gf(x)

4) For all values of x,

$f(x) = x + 5, \quad g(x) = x^2 - 2$

Solve fg(x) = gf(x)