

1) If  $f(x) = 7x + 14$  and  $g(x) = 2x^2 + 4x$  ; find the following.

i)  $f(-r) + g(-r)$

ii)  $\frac{g(-p)}{f(-p)}$

\_\_\_\_\_

\_\_\_\_\_

2) If  $f(x) = -11$  and  $g(x) = x^2 - 13$  ; find the following.

i)  $(f - g)(v^3)$

ii)  $(g \cdot f)(m + 1)$

\_\_\_\_\_

\_\_\_\_\_

3) If  $f(x) = 3x^2 + 2x - 5$

i)  $\frac{f(t)}{g(t)}$

\_\_\_\_\_

\_\_\_\_\_

4) If  $f(x) = -x^3 - \frac{4}{3}x$  and

i)  $f(w) \cdot g(w)$

\_\_\_\_\_

\_\_\_\_\_

# PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

5) Which of the following represents  $(\overline{f})(y)$ , if  $f(x) = 4 + x$  and  $g(x) = x^2 + 7x + 12$ ?

i)  $y - 3$

ii)  $y - 4$

iii)  $y + 3$

iv)  $y + 4$

6) Which of the following represents  $(g - f)(3k)$ , if  $f(x) = -x^3 - x + 6$  and  $g(x) = -x + 8$ ?

i)  $9k^3 - 2$

ii)  $27k^3 + 2$

iii)  $27k^3 - 2$

iv)  $9k^3 + 2$