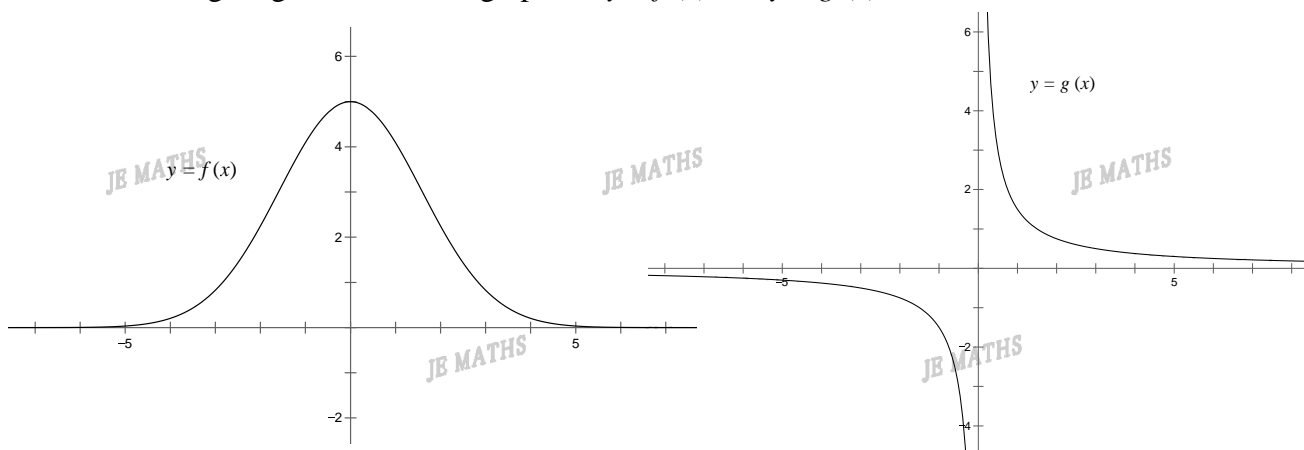**Enrichment stage 1: (Function addition and subtraction)**

1. The following diagrams show the graphs of $y = f(x)$ and $y = g(x)$.

(a) Estimate the value(s) of:

 (i) $f(1) - g(1)$

 (ii) $f(-2) - g(-2)$

 (iii) x where $y = f(x) - g(x)$.

(b) Sketch the graph of $y = f(x) - g(x)$ below. Label the x - intercepts and significant points.

Enrichment stage 1:

1. (a)

   (i) $f(1) - g(1) = 4.1 - 1.5 = 2.6$

   (ii) $f(-2) - g(-2) = 2.25 - (-0.75) = 3.0$

   (iii) When $f(x) - g(x)$, $x = 3.5$ or $x = 0.3$

   (b)