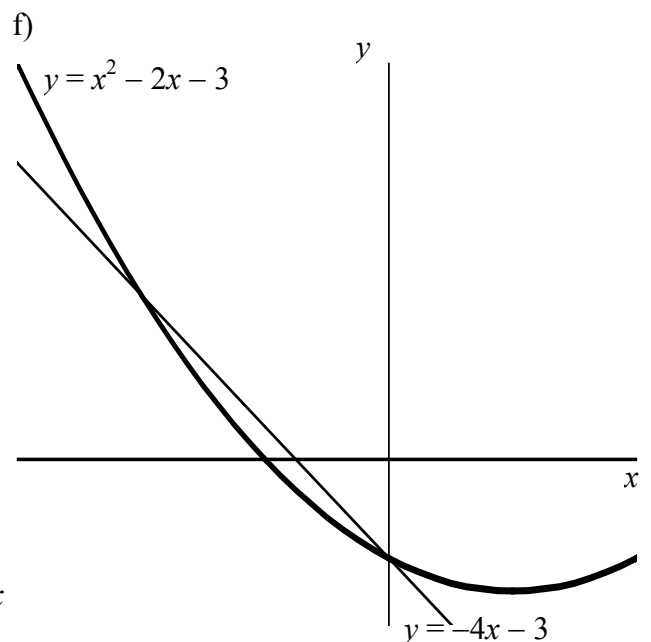
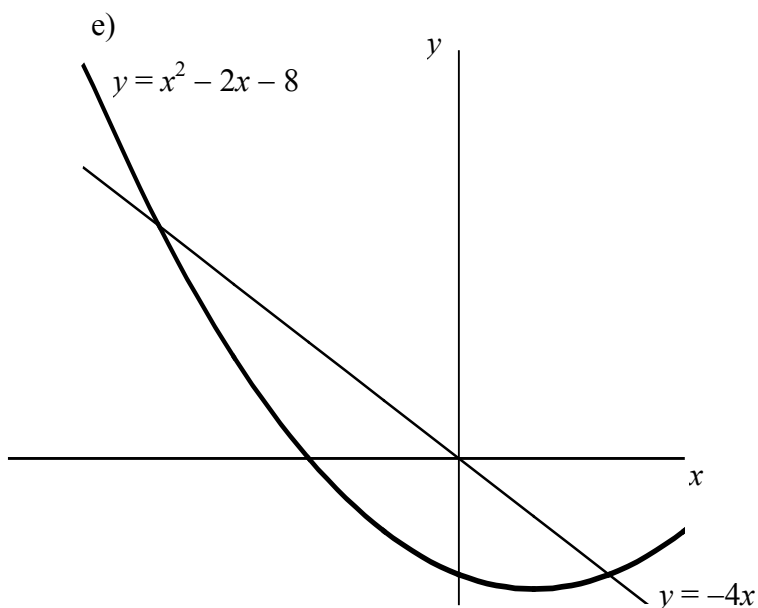
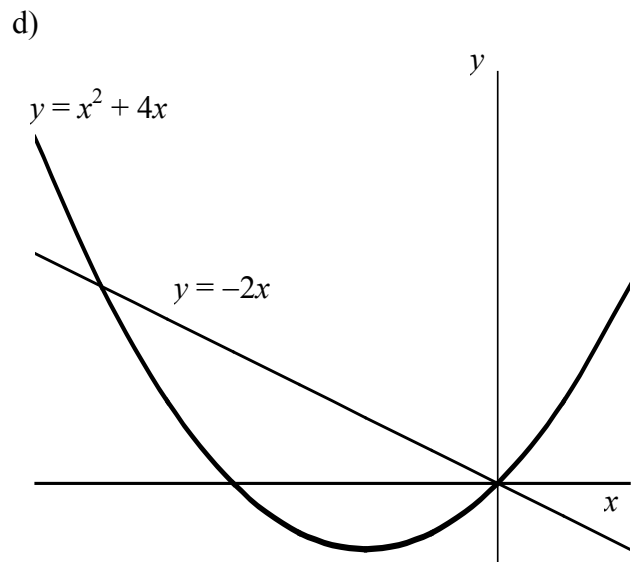
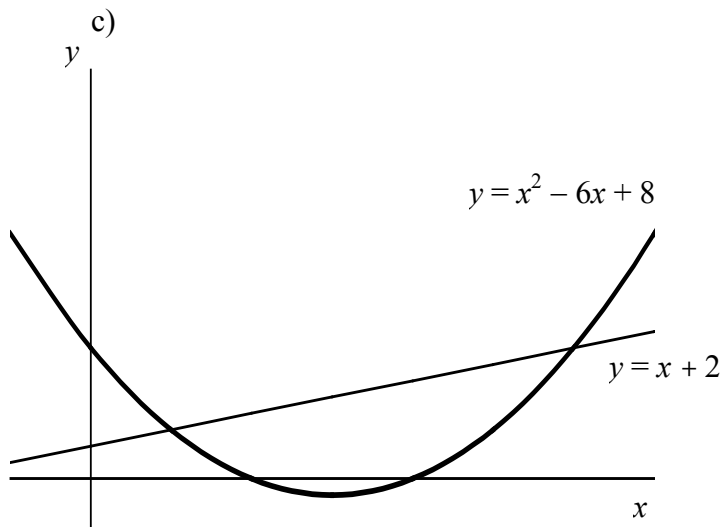
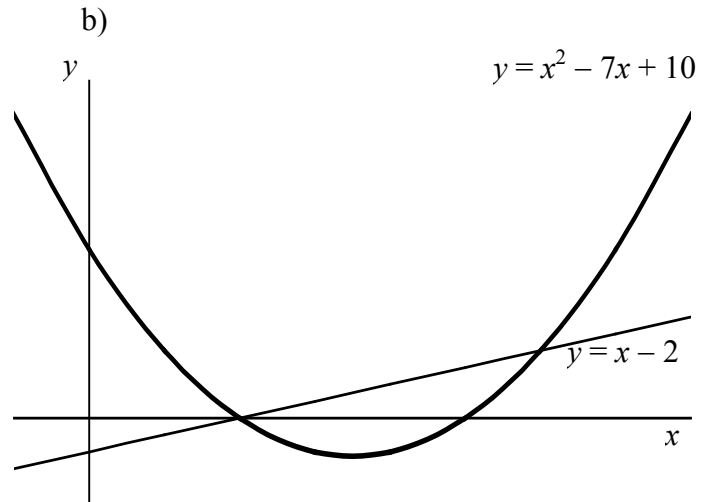
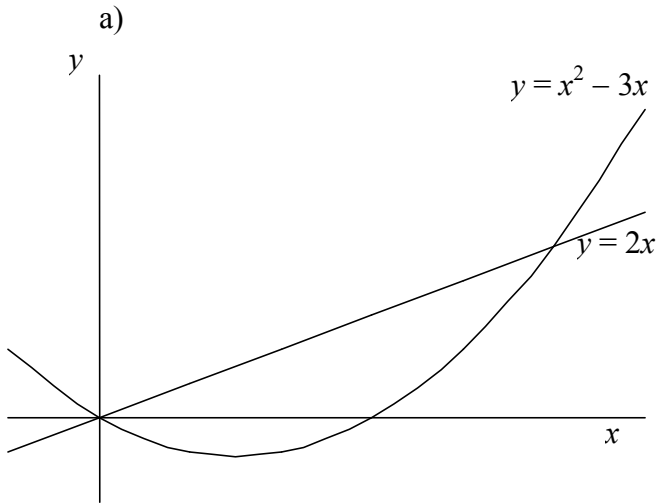
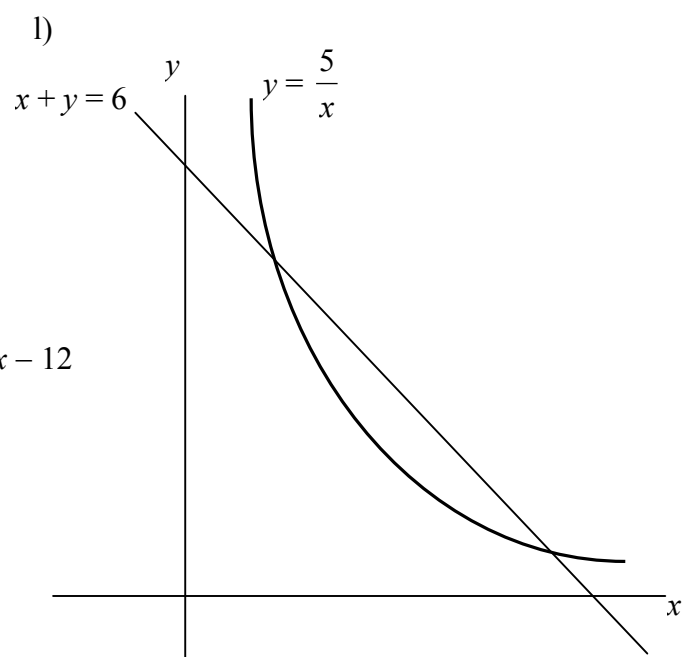
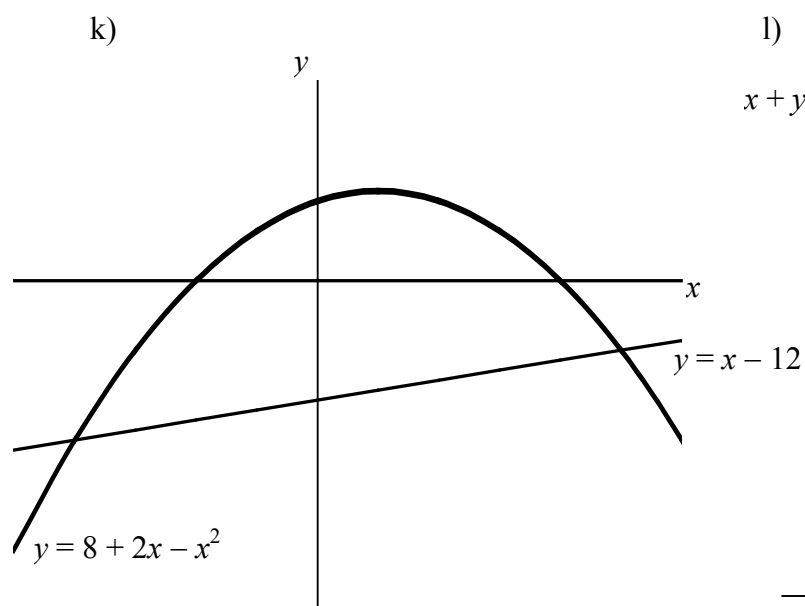
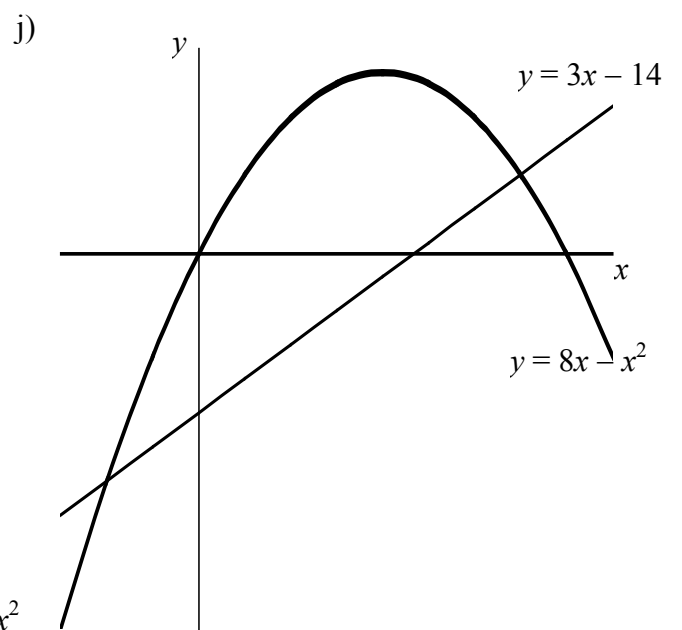
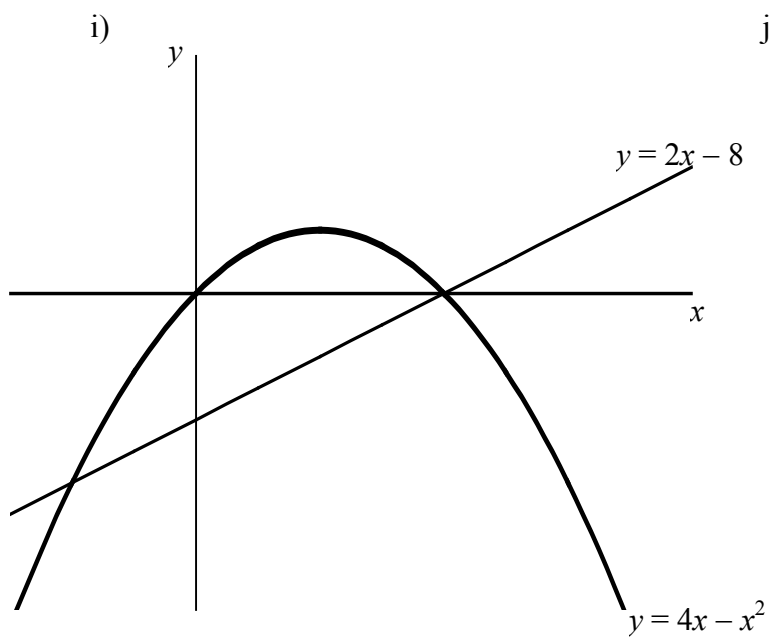
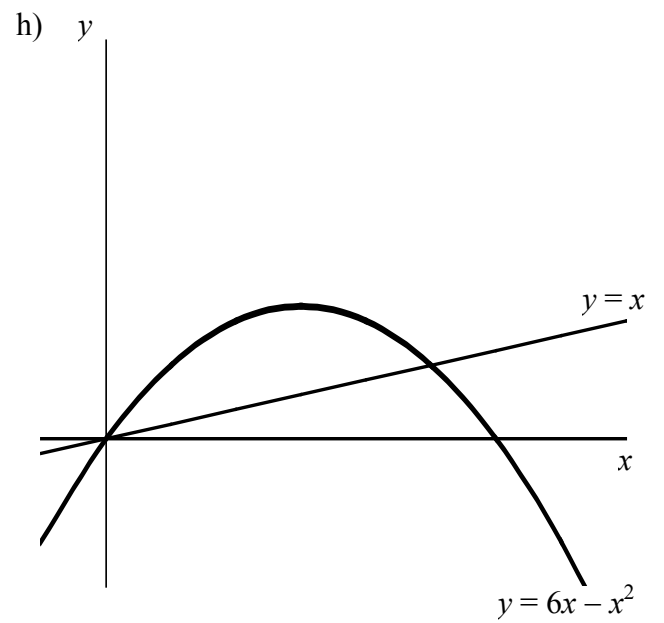
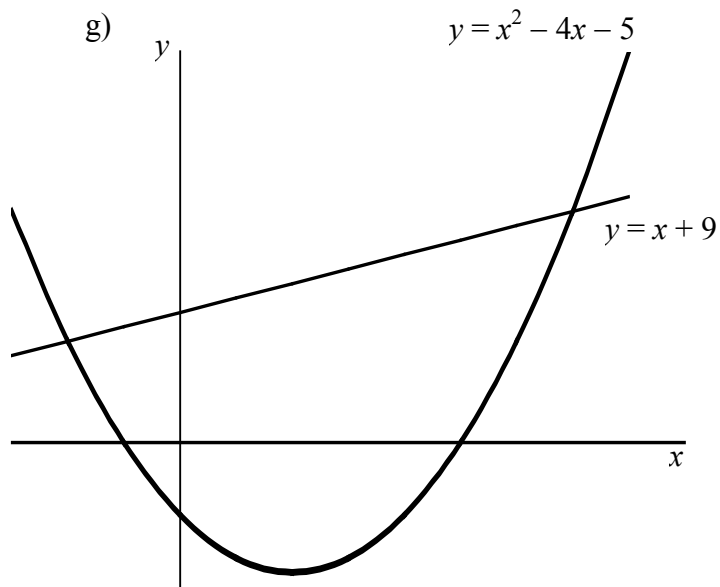


# INTEGRATION – Areas between graphs

For the following graphs, i) find the co-ordinates of the points of intersection, and ii) find the area between the graphs.





ANSWERS.

a)  $20\frac{5}{6}$  units<sup>2</sup>.

b)  $10\frac{2}{3}$  units<sup>2</sup>.

c)  $20\frac{5}{6}$  units<sup>2</sup>.

d) 36 units<sup>2</sup>.

e) 36 units<sup>2</sup>.

f)  $1\frac{1}{3}$  units<sup>2</sup>.

g)  $121\frac{1}{2}$  units<sup>2</sup>.

h)  $20\frac{5}{6}$  units<sup>2</sup>.

i) 36 units<sup>2</sup>.

j)  $256\frac{1}{2}$  units<sup>2</sup>.

k)  $121\frac{1}{2}$  units<sup>2</sup>.

l) 3.9528 units<sup>2</sup>.