**13G Finding Areas Between Curves**

Option 1:

Option 2:



The diagram shows a sketch of part of the curve with equation:

$$y=x(4-x)$$

and the line:

$$y=x$$

Find the area of the region bounded by the curve and the line.

1. The diagram below shows a sketch of part of the curve with equation:

$$y=x(x-3)$$

and the line:

$$y=2x$$

Find the area of the shaded region OAC.

