13.6) Areas under the *x*-axis

Worked example	Your turn
Find the area of the finite region bounded by the curve with equation $y = x(x-5)$ and the $x$ -axis	Find the area of the finite region bounded by the curve with equation $y = x(x-3)$ and the $x$ -axis
	$\frac{9}{2}$

Worked example	Your turn
Find the total area bound between the curve $y = x(x-2)(x-4)$ and the $x$ -axis.	Find the total area bound between the curve $y = x(x - 1)(x - 2)$ and the $x$ -axis.
	$\frac{1}{2}$

Worked example	Your turn
Find the total area bound between the curve $y = x^3 + 2x^2 - 15x$ and the $x$ -axis.	Find the total area bound between the curve $y = x^3 + 2x^2 - 8x$ and the $x$ -axis.
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