

## Rearranging Harder Formulae

Make  $x$  the subject of each of the formulae.

<b>(a)</b>	<b>(b)</b>	<b>(c)</b>	<b>(d)</b>
$a = b + x^2$	$a^2 = b^2 + x^2$	$b = \frac{x^3}{2a}$	$b = 2a + \sqrt{x}$
<b>(e)</b>	<b>(f)</b>	<b>(g)</b>	<b>(h)</b>
$b = \sqrt{\frac{x}{a}}$	$a + 5 = \sqrt{\frac{x}{b}}$	$ax = x + 5$	$ax + b = a + x$
<b>(i)</b>	<b>(j)</b>	<b>(k)</b>	<b>(l)</b>
$a = \frac{x}{x + 1}$	$a(x - b) = bx$	$b = \frac{x + a}{x - a}$	$a = \sqrt{\frac{x}{x + b}}$