

## Substitution and Formulae Revision

<b>(a)</b>	<b>(b)</b>	<b>(c)</b>	<b>(d)</b>
$y = x^2 + 2x$ Find the value of $y$ when $x = 5$	$b = a^3 - 5a$ Find the value of $b$ when $a = 3$	$w = 2d^2 + 5d$ Find the value of $w$ when $d = -4$	$y = 3x^3 + 5x^2 - 6$ Find the value of $y$ when $x = -2$
<b>(e)</b>	<b>(f)</b>	<b>(g)</b>	<b>(h)</b>
$d = 3a + 5b$ Find $d$ when $a = 7$ and $b = -2$	$t = p^2 + pq$ Find $t$ when $p = -6$ and $q = 2$	$f = \frac{2d + e^2}{de}$ Find $f$ when $d = 5$ and $e = -2$	$y = \frac{3}{4}ab^2$ Find $y$ when $a = 5$ and $b = -0.5$
<b>(i)</b>	<b>(j)</b>	<b>(k)</b>	<b>(l)</b>
Make $b$ the subject of $a = 4b - 7$	Make $x$ the subject of $y = x^2 + 5$	Make $d$ the subject of $e = \frac{c + d}{5}$	Make $a$ the subject of $x = 2a^2 - cd$
<b>(m)</b>	<b>(n)</b>		
Make $x$ the subject of the formula $y = \frac{x}{x-3}$	Make $a$ the subject of the formula $b = \frac{5-2a}{3a+2}$		