<table>
<tr><td rowspan="3">3</td><td>eg
$3x + 2y = 10$
$-\ 3x - 4y = 16$

$(6y = -6)$

or
eg
$3\left(\frac{10 - 2y}{3}\right) - 4y = 16$
or
$3\left(\frac{16 + 4y}{3}\right) + 2y = 10$
or
$6y = -6$ oe</td><td>Eg
$6x + 4y = 20$
$+\ 3x - 4y = 16$

$(9x = 36)$

or
eg
$3x - 4\left(\frac{10 - 3x}{2}\right) = 16$
or
$3x + 2\left(\frac{3x - 16}{4}\right) = 10$
or
$9x = 36$ oe</td><td></td><td rowspan="3">3</td><td>M1</td><td>a correct method to eliminate x or y: coefficients of x or y are the same and the correct operation to eliminate is selected; if operator not written, the correct operation can be implied by 2 out of 3 terms correct
Allow one arithmetic error if multiplying to equate coefficients
or
for a correct substitution of one variable into the other equation

NB: the mark is for the method and not for the result of the method. However, if the correct result of this method is seen, the mark can be awarded</td></tr>
<tr><td>$3x + 2 \times$ “-1” $= 10$
or
$3x - 4 \times$ “-1” $= 16$
or
$x = \frac{10 - 2 \times \text{"}-1\text{"}}{3}$
or
$x = \frac{16 + 4 \times \text{"}-1\text{"}}{3}$</td><td>$3 \times$ “4” $+ 2y = 10$
or
$3 \times$ “4” $- 4y = 16$
or
$y = \frac{10 - 3 \times \text{"}4\text{"}}{2}$
or
$y = \frac{3 \times \text{"}4\text{"} - 16}{4}$</td><td></td><td>M1</td><td>dep on M1
a correct substitution to find the value of the second variable using their value or for starting again with elimination or substitution (as above)</td></tr>
<tr><td>Working required</td><td>$x = 4$
$y = -1$</td><td>A1</td><td>dep on M1</td></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td>Total 3 marks</td></tr>
</table>