

Question	Scheme	Marks	AOs
1	$y = 3$	B1	2.2a
	$z = \frac{\text{their } y}{3} = \dots\{1\}$	B1ft	1.1b
	<p>Uses <math>z - 3y = k \Rightarrow k = -8</math> and  <math>x - 3z = k \Rightarrow x = k + 3z = \text{their } k + 3 \times \text{their } z</math>  leading to a value for <math>x</math></p> <p><b>Alternatively</b>  uses <math>x - 3z = k = z - 3y</math> with values for <math>y</math> and <math>z</math> to find a value for <math>x</math>.</p>	M1	3.1a
	$x = -5$	A1	1.1b
		(4)	

(4 marks)

**Notes:**

**B1:**  $y = 3$

**B1ft:** Follow through on the value of  $z$  which comes from their  $y$  divided by 3

**M1:** A complete method to find the value of  $x$ . Uses  $z - 3y = k$  to find a value for  $k$  then finds a value for  $x$  using  $x - 3z = k$  and their values for  $z$  and  $k$ . Condone a slip with the coefficients if the intention is clear but must have the correct letters.

Alternatively uses  $x - 3z = k = z - 3y$  with values for  $y$  and  $z$  to find a value for  $x$ .

**A1:**  $x = -5$

Correct answers only scores full marks.