

M1.

$$\begin{pmatrix} 7 \\ -5 \end{pmatrix}$$

B1

[1]

M2.

(a) $\frac{3}{2} \text{ s}$

Accept $1\frac{1}{2} \text{ s}$ or 1.5s or $3\text{s} \div 2$ or $\text{s} + 0.5\text{s}$ or $\text{s} + \frac{1}{2} \text{ s}$

B1

(b) $-\mathbf{s} + \mathbf{t}$ + their $1.5\mathbf{s}$

M1

$\mathbf{t} + 0.5\mathbf{s}$

oe

ft their part (a)

A1 ft

[3]

M3.(a) $2\mathbf{x} + 4\mathbf{y}$ or $4\mathbf{y} + 2\mathbf{x}$

B1

(b) their $(2\mathbf{x} + 4\mathbf{y}) \times 1.5$ oe

M1

$3\mathbf{x} + 6\mathbf{y}$ or $3(\mathbf{x} + 2\mathbf{y})$

ft if vector answer in (a)

A1 ft

[3]