A157 Rearranging formula 2

Q1.

$$a+3=\frac{2a+7}{r}$$

.....

(Total for question = 3 marks)

Q2.

Make *t* the subject of the formula $k = \frac{2(t+3)}{t-3}$

.....

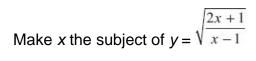
(Total for question = 4 marks)

Q3.	
Make <i>m</i> the subject of	
	$\frac{4-3m}{5+m}$
Q4.	(Total for question = 4 marks)
$f = \frac{3m+4}{3m+4}$	
Make m the subject of the formula $f = \frac{3m+4}{m-1}$	

(Total for question = 3 marks)

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(Total for Question is 4 marks)

Q6.

Make x the subject of the formula $y = \frac{ax + b}{cx + d}$

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Make *e* the subject of $k = \sqrt{\frac{5m + 2e}{3e}}$

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(Total for question = 4 marks)

Q8.

Given that y is positive, make y the subject of $y = \sqrt{ay^2 + n}$

Show clear algebraic working.

y =

(Total for Question is 5 marks)

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(a) Simplify fully
$$\frac{2x^2 - 5x + 3}{x^2 + 5x - 6}$$

(3)

(b) Make *m* the subject of

$$\frac{m}{v} - \frac{t}{b} = \frac{m - t}{R}$$

(4)

(Total for question = 7 marks)