Question 11 – 5:

11(a)	$\frac{48}{x}$ final answer	**1**	Accept $48 \div x$
11(b)	$their(a) - \frac{60}{x+2} = 4$ oe	**M1**	FT *their* (a) provided expression in x
	$48(x+2) - 60x = 4x(x+2)$ oe	**M2**	**FT** *their* 3 term eqn with algebraic denominators, x and $x + 2$, for M2 or M1 **M1** for common denominator $x(x+2)$ oe seen or any two terms in a 3 term equation from $\pm 48\,(x + 2)$, $\pm 60x$, $\pm 4x(x + 2)$ oe seen
	$48x + 96 - 60x = 4x^2 + 8x$ oe leading to $x^2 + 5x - 24 = 0$	**A1**	With brackets expanded and no errors or omissions seen
11(c)	$(x-3)(x+8)$	**B2**	**B1** for $x(x + 8) - 3(x + 8)$ or $x(x - 3) + 8(x - 3)$ or $(x + a)(x + b)$ [= 0] where $ab = -24$ or $a + b = 5$ [a, b integers]
	3 and -8	**B1**	
11(d)	12	**1**	