7	(i)	$(x \pm 6)(x \pm 8)$ or $(6 \pm x)\,(8 \pm x)$ or $x(x + 8) – 6(x + 8)$ or $x(x – 6) + 8(x – 6)$		2	M1 for $(x \pm 6)(x \pm 8)$ or for brackets in the form $(x+a)(x+b)$ where $ab = –48$ or $a + b = 2$
		Correct answer scores full marks (unless from obvious incorrect working)	$(x − 6)(x + 8)$		A1 oe Allow any letter for x
	(ii)		6, –8	1	B1ft follow through from (i) and must be 2 answer values provided $(x + a)(x + b)$ seen in either parts (i) or (ii) seen
					Total 3 marks

8	(a)		57 600	1	B1
	(b)	$\frac{308\,000}{4\times10^{-2}}$ or $\frac{308\,000}{0.04}$ or $\frac{308\times10^{3}}{4\times10^{-2}}$ or $\frac{308\times10^{3}}{0.04}$ or $\frac{3.08\times10^{5}}{4\times10^{-2}}$ or $\frac{3.08\times10^{5}}{0.04}$ or $\frac{300\,000+8000}{4\times10^{-2}}$ or $\frac{300\,000+8000}{0.04}$ oe or 7 700 000 or $75 \times 10^5 + 2 \times 10^5$ or 77×10^5 oe or 7.7×10^n where $n \neq 6$		2	M1
		Correct answer scores full marks (unless from obvious incorrect working)	7.7×10^6		A1
					Total 3 marks