Question	Working	Answer	Mark	Notes
23	$-2(x^2 + 6x - 3.5)$ or $-2(x^2 + 6x) + 7$		3	M1 Factorising by -2
	$-2[(x + 3)^2 - 9 - 3.5]$ or $-2[(x + 3)^2 - 9] + 7$			M1 Completing the square
		$25 - 2(x + 3)^2$		A1
	Alt : $a + b(x^2 + 2cx + c^2)$			
	$2bc = -12$ or $a + bc^2 = 7$ or $b = -2$			M1 Equating coefficients or stating value of b
	$2 \times -2 \times c = -12$ or $c = 3$			M1 Equating coefficients or stating value of c
	$a + -2 \times (3)^2 = 7$ or $a = 25$ seen			A1 Equating coefficients or stating value of a
				Special Cases: SC B2 for answer of $-2(x + 3)^2$ + constant or $25 - 2(x +$ positive constant$)^2$ SC B1 for answer of $-2(x - 3)^2$ + constant
				Total 3 marks

24	Gradient of $\mathbf{L_2} = -10 \div -5)$ $(= 2)$		5	M1 Method to find gradient of $\mathbf{L_2}$
	$6 = 2 \times 8 + c \rightarrow c = -10$ $y = 2x - 10$ oe			A1 Equation for $\mathbf{L_2}$
	$0 = 2x - 10 \rightarrow x = 5$ or $(5, 0)$ $y = 2 \times -3 - 10 \rightarrow y = -16$ or $(-3, -16)$			A1 Finding point A and point B
	(Area =) $0.5 \times 5 \times 16$ or $(0.5 \times 5 \times 10) + (0.5 \times 10 \times 3)$ or $0.5 \times 5 \times \sqrt{265} \times \sin 100.6°$ or $0.5 \times \sqrt{320} \times \sqrt{265} \times \sin 15.9°$			M1 Method to find area of triangle
		40		A1 cao Dep on M2
				Total 5 marks