Q	Marking instructions	AO	Marks	Typical solution
4	Integrates with at least one term correct	1.1a	M1	$\int_0^2 3x^{\frac{1}{2}} - 4x \, \mathrm{d}x$
	Obtains $2x^{\frac{3}{2}} - 2x^2$ ACF Ignore any constants of integration	1.1b	A1	$= \left[2x^{\frac{3}{2}} - 2x^2 \right]_0^2$
	Substitutes limit(s) into their integrated two term expression PI by $4\sqrt{2} - 8$ or $2\sqrt{8} - 8$	1.1a	M1	$= 2 \times 2^{\frac{3}{2}} - 2 \times 2^2$ $= 4\sqrt{2} - 8$
	Obtains $\sqrt{32} - 8$	1.1b	A1	$= \sqrt{32} - 8$
	Question 4 Total		**4**	