

1. Find

$$\int \left(8x^3 - \frac{3}{2\sqrt{x}} + 5 \right) dx$$

giving your answer in simplest form.

(4)

$$\int \left(8x^3 - \frac{3}{2}x^{-1/2} + 5 \right) dx$$

$$= \frac{8}{4}x^4 - \frac{3}{2(\frac{1}{2})}x^{1/2} + 5x + c$$

$$= \underline{2x^4 - 3\sqrt{x} + 5x + c}$$

DO NOT WRITE IN THIS AREA

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