

## Area and The Fundamental Theorem of Calculus

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In problems 1-4, find the definite integral

1. $\int_1^3 (x^2 - 4x + 2) dx$	2. $\int_{-2}^0 (7x - 1) dx$
3. $\int_1^4 (\sqrt{2x+1}) dx$	4. $\int_{-5}^{-2} (e^{3x}) dx$