MA 224 - Quiz 3

Please write your name and section number, and put your final answers in a box. For full credit, please show your work!

1. (2 pts) $\int \dfrac{7x}{(x-2)^3}dx$

2. (2 pts) $\int \dfrac{\sqrt[5]{2\ln(x)}}{6x}dx$

3. (2 pts) $\int_0^1 \left(e^{2x^3+2x} + 3x^2e^{2x^3+2x}\right)dx$

4. (2 pts) $\int_3^4 \left(x\sqrt{2x-6} + \sqrt{8x-24}\right)dx$

5. (2 pts) $\int_{-1}^1 8(x+8)(x+1)^6dx$