

## Math 31 – Workshop #13

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Compute the following integrals.

1.  $\int \frac{x^3 + 3x - 2}{x - 1} dx$

2.  $\int \frac{x + 3}{x - 3} dx$

3.  $\int \frac{3x^3 + x^2 - 5}{x^2 + 1} dx$

4.  $\int \frac{3x^2 - 13x + 9}{x^3 - 6x^2 + 9x} dx$

5.  $\int \frac{6x^3 + 3x^2 - 1}{(x^2 - 1)(x^2 + 1)} dx$