

1. Find  $\int 3x - 2 \, dx$ .

2. Find  $\int 3 \sec^2(x) \, dx$ .

3. Find  $\int \csc(x) \cot(x) \, dx$ .

4. Find  $\int \frac{3}{|x|\sqrt{x^2 - 1}} \, dx$ .

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

6. Find  $\int 1 + x^2 \, dx$ .