

## Integrals

$$\int 2dx$$

$$\int \cos(x)dx$$

$$\int \sin(x)dx$$

$$\int b^x dx$$

$$\int \frac{1}{ky} dy = \int dx$$

$$\iiint 1 \, dx \, dy \, dz$$

## u-Substitution:

$$\int \frac{1}{x} dx$$

$$\int e^{5x+2} dx$$

$$\int 4\cos(3x)dx$$

$$\int \sqrt{7x+9} dx$$

## Integration by parts:

$$\int u dv = uv - \int v du$$

$$\int \ln(x) dx$$

## Answers:

$$2x + c, \sin(x), -\cos(x), \ln(x), ??, xyz$$

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