

Integral Calculus lesson 1 - Anti-differentiation (integration)

Magic Monk Tutorials

1 Solve for y in the following:

1.1 $\frac{dy}{dx} = x^2$

1.2 $\frac{dy}{dx} = 3x^2 + 4x - 3$

1.3 $\frac{dy}{dx} = \frac{7}{6}x$

2 Evaluate the following integrals:

2.1 $\int x^2 + x + 1 \, dx$

2.2 $\int -x - 2 \, dx$