

You must show your work to get full credit.

1. Compute the following integrals using your calculator. Write what you put into the calculator.

Math 9: fnInt $\int_0^3 (\sqrt{1+x^2}) dx$ $\int_0^3 \frac{1}{\sqrt{1+x^2}} dx =$ 5.6526

$\int_{-1}^2 x^3 dt - 2 \int_0^3 x^2 dx =$ -14.25

Math 9: fnInt $\int_{-1}^2 (x^3) dx - 2 \int_0^3 (x^2) dx$
 Math 9: fnInt

2. Use the figure below to find the following integrals.

$\int_a^b f(t) dt =$ 5

$\int_b^c f(t) dt =$ -2

$\int_a^c f(t) dt =$ 5 - 2 = 3

