

*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  
fnInt(1/(1+x^2), X, 0, 1)

$$\int_0^1 \frac{1}{\sqrt{1+x^2}} dx = \underline{.785398}$$

Math 9: fnInt  
fnInt((x^2-4)/(x^2+1), X, -1, 2)

$$\int_{-1}^2 \frac{t^2 - 4}{t^2 + 1} dt = \underline{-6.462734}$$

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

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

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

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

