

*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 90: fnInt

$$\text{fnInt}(1/\sqrt{1+x^2}, x, 0, 3) \quad \int_0^3 \frac{1}{\sqrt{1+x^2}} dx = \underline{1.818446}$$

Math 90: fnInt

$$\text{fnInt}((x^2-4)/(x^2+1), x, -1, 2) \quad \int_{-1}^2 \frac{t^2-4}{t^2+1} dt = \underline{-6.462734}$$

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

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

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

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

