

Trig. Substitution Quiz

$$1) \int \sqrt{4 + x^2} \, dx$$

$$2) \int \frac{dt}{1-t^2}$$

$$3) \int_{-2}^{-\sqrt{3}} \frac{\sqrt{x^2-3}}{x} \, dx$$

$$4) \int \frac{x^3}{\sqrt{x^2-4}} \, dx$$

$$5) \int \frac{10}{x^2 \sqrt{25-x^2}} \, dx$$

$$6) \int \frac{\sqrt{x^2-4}}{x} \, dx$$