

### Antiderivatives 6

Find the indicated antiderivative. Check your answers.

$$1. \int \frac{5}{\sqrt{1-x^2}} dx =$$

$$2. \int \frac{x}{\sqrt{1-x^2}} dx =$$

$$3. \int \frac{4x^3}{\sqrt{1-x^4}} dx =$$

$$4. \int \frac{4x}{\sqrt{1-x^4}} dx =$$

$$5. \int x^3 \sqrt{1-x^4} dx =$$

$$6. \int \frac{2x^3}{1+x^4} dx =$$

$$7. \int \frac{2x}{1+x^4} dx =$$

$$8. \int \frac{6x^5}{\sqrt{x^6-1}} dx =$$

$$9. \int \frac{6}{x\sqrt{x^6-1}} dx =$$

$$10. \int 6x^5 \sqrt{x^6-1} dx =$$