

Antiderivative HW

Date _____ Period _____

Evaluate each indefinite integral.

1) $\int -18x^5 dx$

2) $\int -3x^2 dx$

3) $\int (-16x^3 + 3x^2 + 10x) dx$

4) $\int (-18x^5 - 10x^4 - 3) dx$

5) $\int (25x^4 - 4x + 2) dx$

6) $\int (15x^4 - 9x^2 - 8x) dx$

7) $\int (-10x^4 + 15x^2 + 2x) dx$

8) $\int -3\sin x dx$

9) $\int -2\sin x dx$

10) $\int -5\cos x dx$

Antiderivative HW

Date _____ Period _____

Evaluate each indefinite integral.

$$1) \int -18x^5 dx$$
$$-3x^6 + C$$

$$2) \int -3x^2 dx$$
$$-x^3 + C$$

$$3) \int (-16x^3 + 3x^2 + 10x) dx$$
$$-4x^4 + x^3 + 5x^2 + C$$

$$4) \int (-18x^5 - 10x^4 - 3) dx$$
$$-3x^6 - 2x^5 - 3x + C$$

$$5) \int (25x^4 - 4x + 2) dx$$
$$5x^5 - 2x^2 + 2x + C$$

$$6) \int (15x^4 - 9x^2 - 8x) dx$$
$$3x^5 - 3x^3 - 4x^2 + C$$

$$7) \int (-10x^4 + 15x^2 + 2x) dx$$
$$-2x^5 + 5x^3 + x^2 + C$$

$$8) \int -3\sin x dx$$
$$3\cos x + C$$

$$9) \int -2\sin x dx$$
$$2\cos x + C$$

$$10) \int -5\cos x dx$$
$$-5\sin x + C$$