Mil (hapter Quiz (olds)

1) 
$$\int 3dx = 3x + C$$
 $\frac{d}{dx} \left[ 3x + C \right] = 3$ 

3)  $\int \frac{1}{x^{5}} dx = \int x^{-5} dx$ 
 $= \frac{x^{-5+1}}{5+1} + C$ 
 $= -\frac{x^{-4}}{4} + C$ 
 $= -\frac{x^{-4}}{4} + C$ 
 $= -\frac{x^{-4}}{4} + C$ 
 $= \frac{x^{-5}}{4} + C$ 
 $= (x^{-5}x)^{2} + C$ 
 $= (x^{-5$ 

11) 
$$f(x) = 9x^{2} + 4$$
,  $f(1) = 5$ 

$$f(x) = \int_{1}^{1} (x) dx$$

$$= \int_{1}^{1} (x) dx$$

$$= \int_{1}^{1} (x) dx$$

$$= g(x^{3}) + 4x + C$$

$$= 3x^{3} + 4x + C$$

$$f(1) = 5 = 3(1)^{3} + 4(1) + C$$

$$f(2) = 5 = 3 + 4 + C$$

$$f(3) = 5 = 3 + 4 + C$$

$$f(3) = 5 = 3 + 4 + C$$

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