

Find each of the following indefinite integrals.

Problem	Rule(s) Used	Integral Answer
1.) $\int 1 + \frac{1}{a^2} - \frac{3}{a^4} da$		
2.) $\int x^4 - 7x^3 + 6x^2 + 10x + 1 \cdot dx$		
3.) $\int 4y^{\frac{4}{3}} - y^{\frac{1}{3}} + 2y^{-\frac{2}{3}} \cdot dy$		
4.) $\int \frac{x^5 - 7x^2 + 6}{2\sqrt{x}} \cdot dx$		
5.) $\int \cos(3\theta) - \sec^2(3\theta) \cdot d\theta$		
6.) $\int \frac{4}{3x-1} \cdot dx$		
7.) $\int e^{3z} (4e^{3z+2} - 3e^z) \cdot dz$		
8.) $\int 3x(x-1)^3 \cdot dx$		

