Name: _____

1. Find the following indefinite integrals.

   (a) $\int (4x^3 + \cos(x) + 1)dx =$

   (b) $\int \left(\sqrt{x} + \dfrac{1}{\sqrt{x}} \right) dx =$

   (c) $\int \dfrac{\pi}{\sqrt{1 - x^2}} dx =$

Name: _____

1. Find the following indefinite integrals.

   (a) $\int (3x^2 + \sin(x) + 3)dx =$

   (b) $\int \left(\sqrt[3]{x} + \dfrac{1}{x^4} \right) dx =$

   (c) $\int \dfrac{\pi}{1 + x^2} dx =$