

Name: _____

Solve the following problems.

1. Compute $\int \sqrt{16 - x^2} dx$.

2. Compute $\int t\sqrt{1 - t^2} dt$.

3. Compute $\int \frac{x^3}{\sqrt{4-x^2}} dx$.

4. Compute $\int e^{4x} \sqrt{1 - e^{2x}} dx$.

5. Compute $\int \frac{x}{x^2 - 2x + 1} dx$.

6. Compute $\int_0^1 \ln(2t + 1) dt$.