Full name(s):

## Questions

1. Compute the following integrals
(a) $\int \frac{1}{\sqrt{2-x^{2}}} d x$
(b) $\int \frac{x+1}{\sqrt{x^{2}-4}} d x$
(c) $\int \frac{x^{3}}{x^{2}+2 x+1} d x$
