



UiT / NORGES ARKTISKE
UNIVERSITET

Assignment 1

TST-101- Test course

The name

March 17, 2018

Contains 2 pages, front page included

INSTITUTE OF PHYSICS AND TECHNOLOGY

Problem 1

1a)

Gauss law tells us that

$$\oiint_S \vec{E} \cdot d\vec{S} = \frac{Q_{\text{enc}}}{\epsilon_0}$$