



UiT / NORGES ARKTISKE
UNIVERSITET

Assignment 1

TST-101- Test course

The name

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Contains 2 pages, front page included

INSTITUTE OF PHYSICS AND TECHNOLOGY

Problem 1

1a)

Gauss law tells us that

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