# Aamot, Ole MEK1100 Øvelse 1 20200417

April 17, 2020

## 1.39 (a)

$\vec{A} = (3.60mcos70)\vec{i}+(3.60msin70)\vec{j} = (1.23m\vec{i}+(3.38m\vec{j}\ \vec{B} = (-2.40mcos30)\vec{i}+$
$(-2.40sin30)\vec{j} = (-2.08m)\vec{i} + (-1.20m)\vec{j}$

## 1.39 (b)

$\vec{C} = 3.00\vec{A}-4.00\vec{B} = 3.00(3.60cos(70))+3.00(3.60sin(70))-4.00(-2.40mcos30)-$
$4.00(2.40sin30) = 3.00(3.60cos70+3.60sinn70)-4.00(-2.40mcos210)-4.00(-2.40msin210)$