

Title undertext

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# Chapter 1

## Chapter Title

### 1.1 oppgave 5

$$\vec{u} \cdot \vec{v} = |\vec{u}| |\vec{v}| \cdot \cos \theta$$

$$\vec{u} \cdot \vec{v} < 0 \leq \theta < 90$$

$$\vec{AB} = [2, 3, 0]$$

$$\vec{AC} = [1, 4, 1]$$

$$\vec{AB} \cdot \vec{AC} = 2 + 12 = 14$$

$$\vec{CB} = [1, -1, -1]$$

$$\vec{CA} = [-1, 4, -1]$$

$$\vec{CA} \cdot \vec{CB} = -1 - 4 + 1 = -4 < 0 \Rightarrow \theta > 90.$$