

Linear algebra 1 (winter 2021/2022):
HW assignment (3)

Problem 1. Instead of “.”, fill in the missing row/column order for the matrices below so that the following matrix expression is defined (in case of multiple possible options, introduce an additional parameter):

$$E(AB + C) + D = F,$$

$$A \in \mathbb{R}^{\cdot, k},$$

$$B \in \mathbb{R}^{\cdot, \cdot},$$

$$C \in \mathbb{R}^{\cdot, \ell},$$

$$D \in \mathbb{R}^{n, \cdot},$$

$$E \in \mathbb{R}^{\cdot, m},$$

$$F \in \mathbb{R}^{\cdot, \cdot}$$

(5 points)