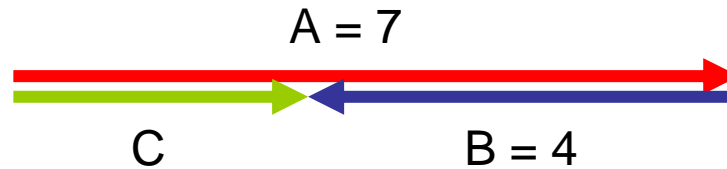# Vectors in 1D

A = 7

C

B = 4

$$\vec{C} = \vec{A} + \vec{B}$$

$$\vec{C} = \hat{i}\,7 + -\hat{i}\,4$$

$$\hat{i}\,C = \hat{i}\,7 + -\hat{i}\,4$$

$$C = 7 + -4 = 7 - 4 = 3$$

Direction – does double duty as subtraction