

# Linear Algebra: Unit 1: Vectors and Vector Spaces

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# Vector Definition

You have heard of vectors from physics and pre-calculus.  
How would you define a vector?  
Think about a definition and write it in the space provided.

# Directed Line Segments

On the graph below, graph the directed line segment:

- ▶ from  $(0, 0)$  to  $(3, 4)$
- ▶ from  $(-1, 1)$  to  $(2, 5)$
- ▶ from  $(-5, -3)$  to  $(1, 5)$
- ▶ from  $(5, -2)$  to  $(2, -6)$
- ▶ from  $(0, 0)$  to  $(0, 5)$

