

Warm - Up

Get an index card from the front.

On the front: Put your full name nice and big.

On the back: Tell me two things you would like to see different in the class for this semester.

Tell me two things I should know about you.

SWBAT students will be able to identify key terms for this unit.

Agenda:

- Warm-Up

- Pass Back Quiz

- Intro Vectors

- Exit Card

What is the Difference:

Jose lives 3 miles away from Sam

Jose lives 3 miles west of Sam

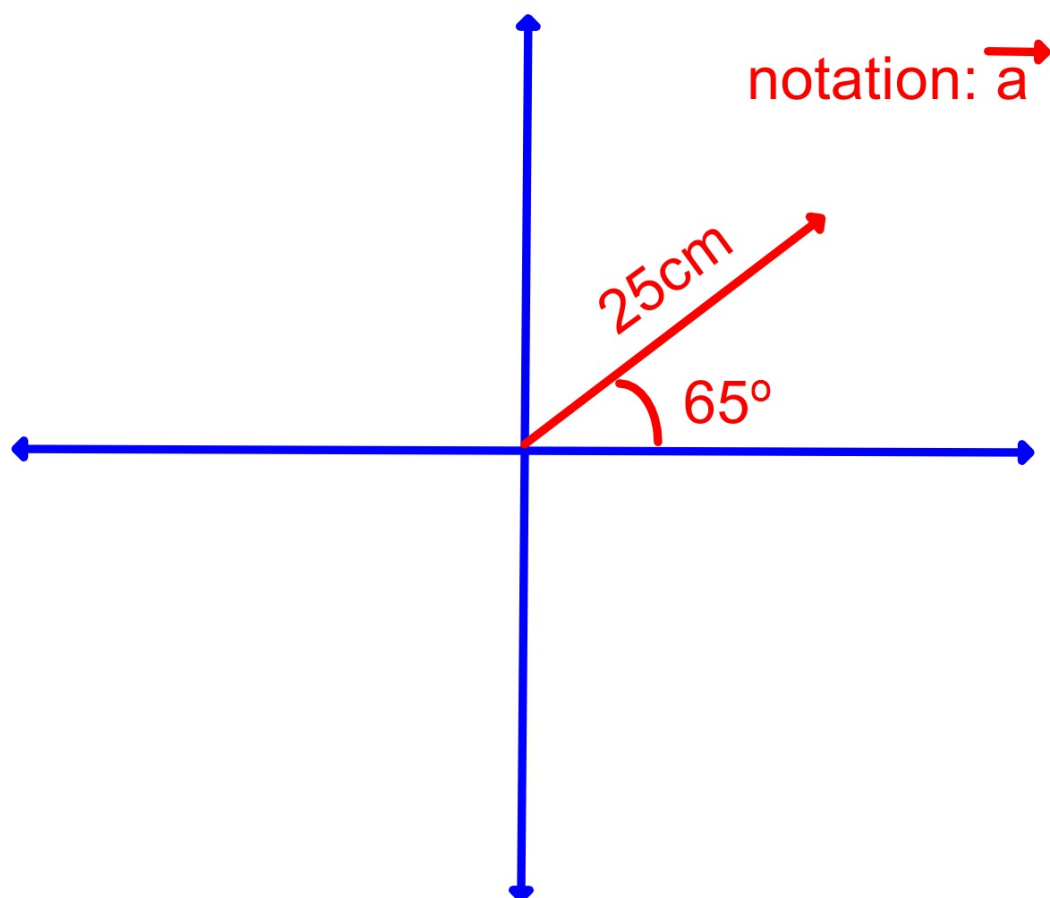
6.1 Vocabulary

Vector: a quantity that has both magnitude and direction. ("directed distance")

Magnitude: Length of directed line segment

Direction: (amplitude) the directed angle between the positive x axis and the vector

Standard Position: a vector that has its initial point at the origin



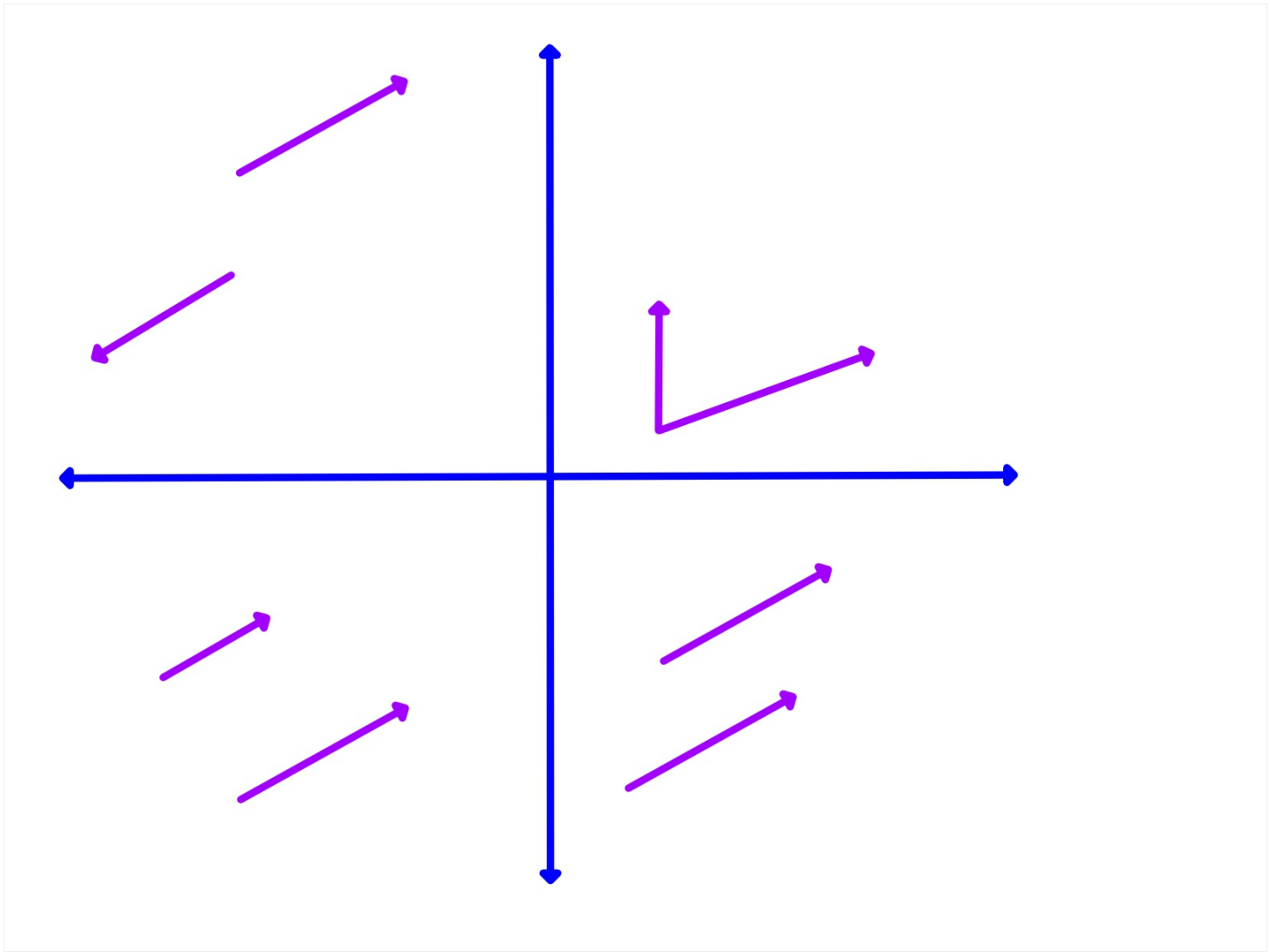
Zero Vector: point, a vector with zero magnitude

Equal Vectors: two vectors with the same
magnitude and the same direction

Opposite Vectors: same magnitude, opposite
direction

Parallel Vectors: same or opposite direction

Perpendicular Vectors: 90° difference in
direction



Scalar Quantity: magnitude with no direction
(what we are used to)

Horizontal and Vertical Components:

Legs of a right triangle, each is a component vector

