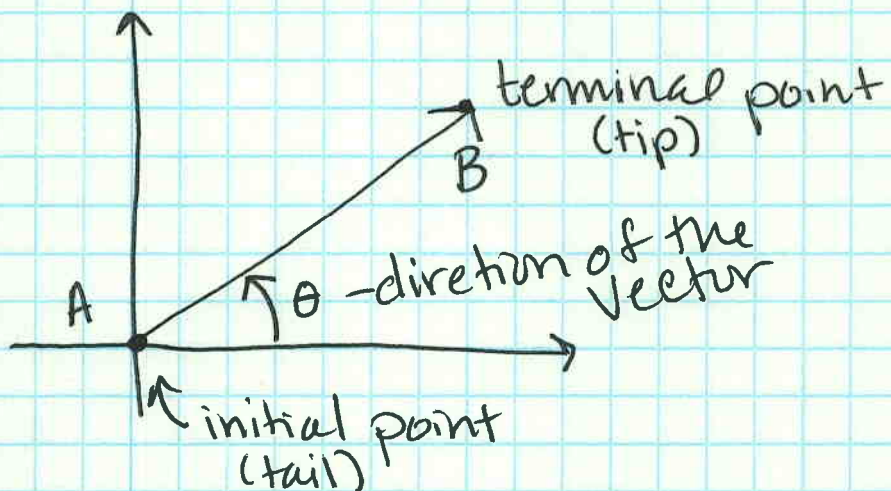


8-1-1 Vectors

Vector - a quantity with both
direction and magnitude

Draw vectors with an arrow



Vector
 \vec{AB} , \vec{a} , \mathbf{a}

Standard
Position - origin

The direction
of \vec{AB} is θ°

1. Boat travelling at 15 mph?
2. Hiker 25 paces due W
3. Weight on scale

length is
proportional
to magnitude

(ex 1" = 100 mph)

$[\mathbf{a}] = 100 \text{ mph}$

480 = 1-12