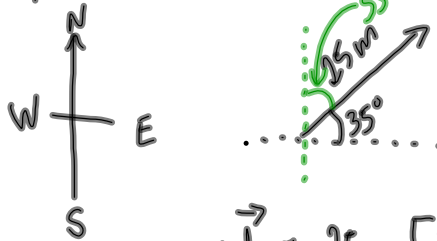


Vectors + Directions

Recall that a vector has both magnitude (size) and direction

So how do we express direction?

① Compass



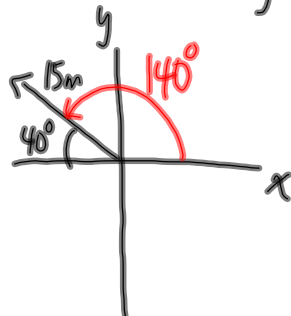
* $\vec{d} = 25m [E 35^\circ N]$

$\vec{d} = 25m [35^\circ N \text{ of } E]$

* $\vec{d} = 25m [N 55^\circ E]$

$\vec{d} = 25m [55^\circ E \text{ of } N]$

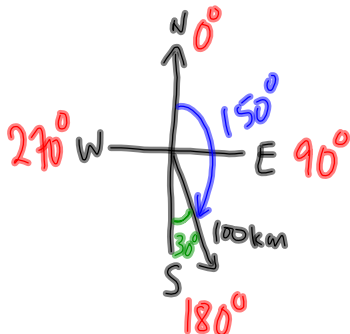
② RCS - rectangular coordinate system



All angles are measured CCW from the positive x-axis

$\vec{d} = 15m \ 140^\circ \text{ RCS}$

③ Azimuth



$\vec{d} = 100km, \text{ azimuth } 150^\circ$

VECTOR PARTS: head + tail

(measure angles
at the tail)

