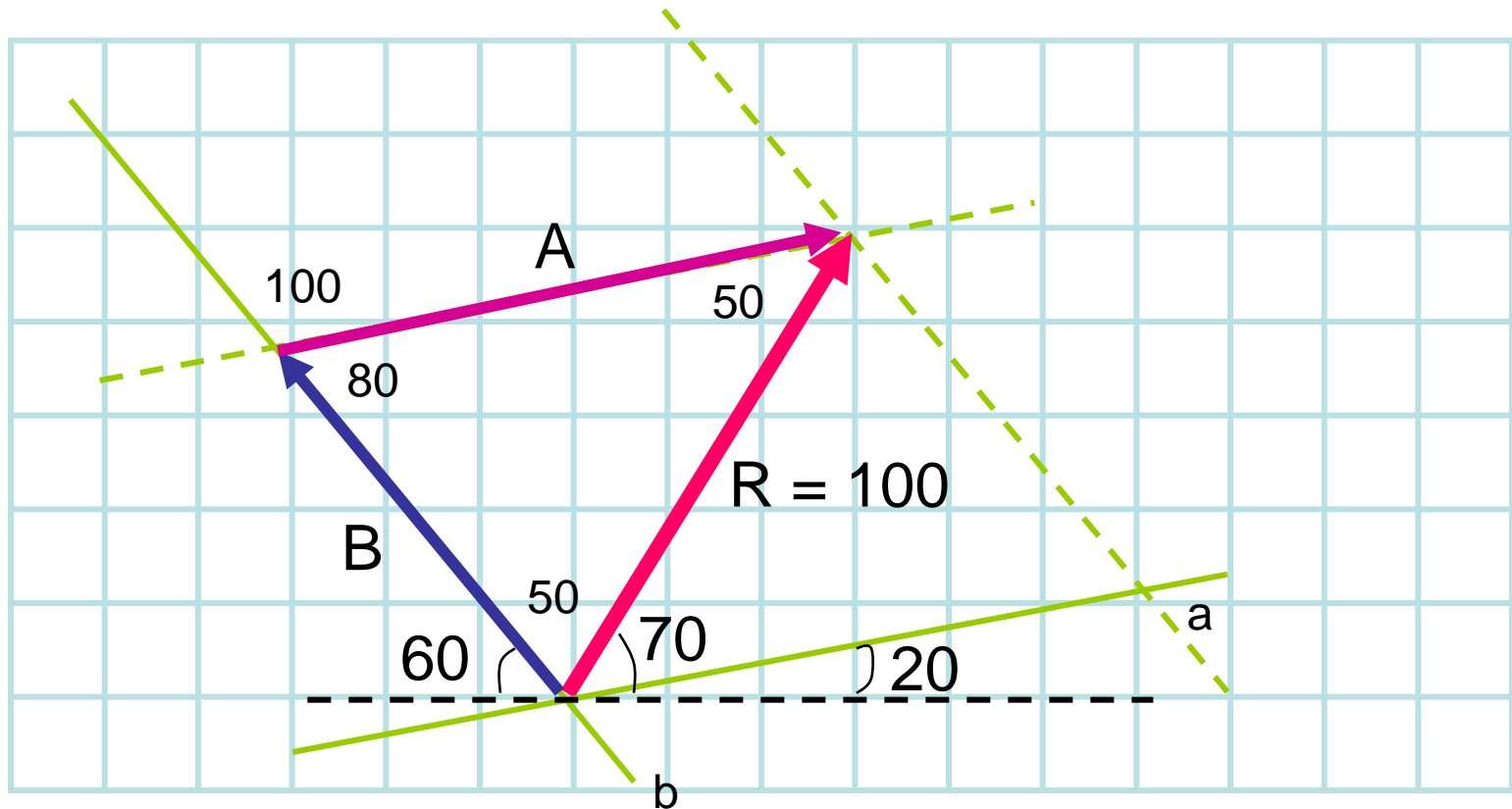


Resolution of a Vector

- Given vector \vec{R}
- Find $\vec{A} + \vec{B} = \vec{R}$ where directions, but not magnitudes of vectors A and B , are given
- Handy in many real life situations

Find \vec{A} & \vec{B} along given axes such that $\vec{R} = \vec{A} + \vec{B}$



$$\frac{\sin(80^\circ)}{100} = \frac{\sin(50^\circ)}{B} = \frac{\sin(50^\circ)}{A} \quad A = B = 100 \frac{\sin(50^\circ)}{\sin(80^\circ)} = 77.79$$