Vectors: Addition + Components



Vectors have both direction and magnitude

In Physics you can define you angle from whatever direction you want, as long as you draw a picture.

How to write a vector:



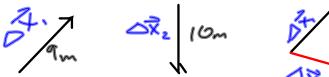
~> text books often bold letters that are vectors

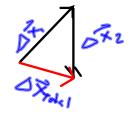


Vector Addition

Tip-To-Tai









cannot just add the magnitudes together!!



unless the vectors are in the same direction



the order does not matter

1) What is
$$|\vec{c}|$$
 1. $|\vec{c}|$ 1. $|\vec{c}|$ 2. $|\vec{c}|$ 2. $|\vec{c}|$ 2. $|\vec{c}|$ 3. $|\vec{c}|$ 4. $|\vec{c}|$ 4. $|\vec{c}|$ 4. $|\vec{c}|$ 5. $|\vec{c}|$ 6. $|\vec{c}|$ 7. $|\vec{c}|$ 6. $|\vec{c}|$ 7. $|\vec{c}|$ 8. $|\vec{c}|$ 8. $|\vec{c}|$ 9. $|\vec{c}$