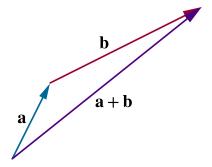
Vector addition



To add vectors given in component form, we add each component separately. For instance,

$$\binom{1}{2} + \binom{4}{3} = \binom{1+4}{2+3} = \binom{5}{5}.$$

Graphically, this is equivalent to taking the lines representing each vector and placing them end to end.



Vector addition is commutative, meaning that

$$a + b = b + a$$
.