

## Question #67610, Physics / Mechanics | Relativity | complete

### Question:

The resultant of three vectors becomes zero, is it possible? Verify your answer by vector diagram.

### Answer:

The answer is: Yes, it is possible

### Solution:

The resultant of three vectors  $v_1, v_2, v_3$  becomes zero if  $v_3 = -(v_1+v_2)$ .

Vector diagram:

