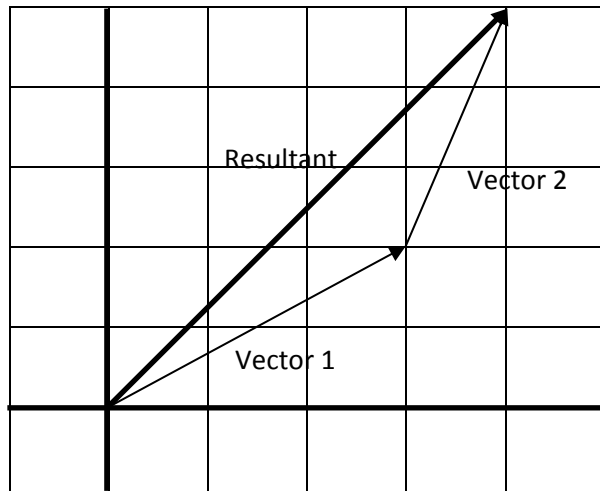


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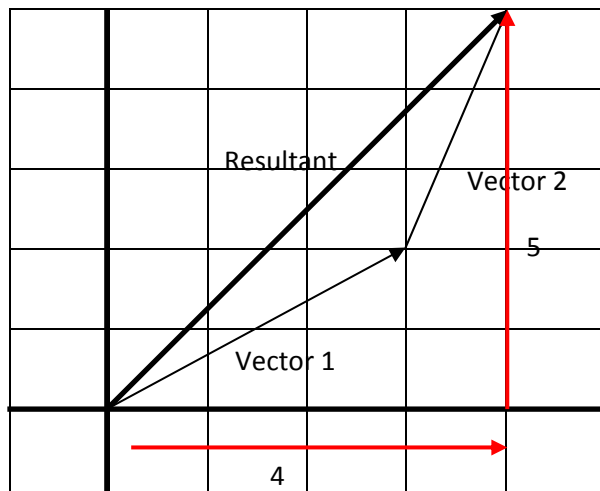
Date _____

Adding Vectors End to End - Step-by-Step Lesson

Find the sum of each pair of vectors (the magnitude of the resultant vector).



Explanation:



Count the number of blocks covered by two vectors.

$$x = 4 \quad y = 5$$

To find the resultant vector's magnitude, use the Pythagorean Theorem.

$$a^2 + b^2 = c^2$$

Step 2) The resultant is:

$$x^2 + y^2 = r^2$$



Name _____

Date _____

$$4^2 + 5^2 = r^2$$

$$r = \sqrt{4^2 + 5^2}$$

$$r = 6.40$$

