

Vector Addition

A) Find the sum of two given vectors.

1) $\vec{m} = \langle 0, 7 \rangle$ and $\vec{n} = \langle 3, -5 \rangle$

2) $\vec{r} = \langle 2, 6 \rangle$ and $\vec{s} = \langle -7, -10 \rangle$

$\vec{m} + \vec{n} =$ _____

$\vec{s} + \vec{r} =$ _____

3) $\vec{a} = \langle -9, -4 \rangle$ and $\vec{b} = \langle 2, 1 \rangle$ and $\vec{y} = \langle 8, 9 \rangle$

$\vec{b} + \vec{a} =$ _____

5) $\vec{p} = \langle -6, 0 \rangle$ and $\vec{q} = \langle 1, 2 \rangle$ and $\vec{w} = \langle -1, -3 \rangle$

$\vec{p} + \vec{q} =$ _____

B) 1) Which of the

$\vec{d} = \langle -1, 5 \rangle$

a) $\langle 5, 1 \rangle$

b) $\langle 3, 5 \rangle$

c) $\langle -3, 15 \rangle$

d) $\langle 3, 15 \rangle$

2) Which of the following is the sum of $\vec{y} = \langle 3, -4 \rangle$ and $\vec{z} = \langle 7, -3 \rangle$?

a) $\langle 10, -7 \rangle$

b) $\langle -10, 7 \rangle$

c) $\langle -7, -10 \rangle$

d) $\langle 4, 7 \rangle$

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