

Vector Addition

A) Find the sum of two given vectors.

1) $\vec{u} = \langle 1, 5 \rangle$ and $\vec{v} = \langle 5, 3 \rangle$

2) $\vec{p} = \langle -4, -6 \rangle$ and $\vec{q} = \langle -1, -2 \rangle$

$\vec{u} + \vec{v} =$ _____

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

3) $\vec{c} = \langle -8, 1 \rangle$ and

and $\vec{t} = \langle -5, 4 \rangle$

$\vec{c} + \vec{d} =$ _____

5) $\vec{x} = \langle 3, -7 \rangle$ and

and $\vec{h} = \langle 7, 8 \rangle$

$\vec{y} + \vec{x} =$ _____

B) 1) Which of the

$= \langle 3, 4 \rangle$?

a) $\langle 6, 8 \rangle$

b) $\langle 4, 6 \rangle$

c) $\langle 4, 8 \rangle$

d) $\langle 6, 4 \rangle$

2) Which of the following is the sum of $\vec{m} = \langle -5, 6 \rangle$ and $\vec{n} = \langle -4, -8 \rangle$?

a) $\langle 9, 2 \rangle$

b) $\langle -9, 14 \rangle$

c) $\langle -9, -2 \rangle$

d) $\langle 9, 14 \rangle$

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