

## Vector Addition

A) Find the sum of two given vectors.

1)  $\vec{s} = \langle 1, -9 \rangle$  and  $\vec{t} = \langle 2, 0 \rangle$

2)  $\vec{g} = \langle -5, -7 \rangle$  and  $\vec{h} = \langle -10, -6 \rangle$

$\vec{s} + \vec{t} =$  \_\_\_\_\_

$\vec{h} + \vec{g} =$  \_\_\_\_\_

3)  $\vec{w} = \langle 3, 4 \rangle$  and \_\_\_\_\_ and  $\vec{b} = \langle -8, 5 \rangle$

$\vec{w} + \vec{x} =$  \_\_\_\_\_

5)  $\vec{m} = \langle 7, -10 \rangle$  and \_\_\_\_\_ and  $\vec{d} = \langle 6, 8 \rangle$

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

B) 1) Which of the

a)  $\langle 9, -8 \rangle$

b)  $\langle 1, 2 \rangle$

c)  $\langle -8, 9 \rangle$

d)  $\langle 7, -6 \rangle$

2) Which of the following is the sum of  $\vec{t} = \langle 10, 6 \rangle$  and  $\vec{u} = \langle -7, 4 \rangle$ ?

a)  $\langle 10, 3 \rangle$

b)  $\langle -17, 10 \rangle$

c)  $\langle -3, 10 \rangle$

d)  $\langle 3, 10 \rangle$

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