Name : _____

Vector Subtraction

A) Find the difference of two given vectors.

1) $\vec{v} = \langle 10, -5 \rangle$ and $\vec{w} = \langle -2, -4 \rangle$

2) $\vec{p} = \langle 1, 3 \rangle$ and $\vec{q} = \langle 0, 7 \rangle$

$\vec{w} - \vec{v} =$ _____

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

3) $\vec{r} = \langle -9, -8 \rangle$ ar   and $\vec{d} = \langle -4, 5 \rangle$

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

5) $\vec{h} = \langle -8, -7 \rangle$ ar   and $\vec{m} = \langle -5, -1 \rangle$

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$\vec{g} - \vec{h} =$ _____   _____

B) 1) If $\vec{s} = \langle -3, -10 \rangle$

a) $\langle -2, 6 \rangle$ b) $\langle -6, -2 \rangle$ c) $\langle -2, -6 \rangle$ d) $\langle 4, 14 \rangle$

2) If $\vec{x} = \langle 6, -7 \rangle$ and $\vec{y} = \langle -4, -5 \rangle$, what is $\vec{y} - \vec{x}$?

a) $\langle -10, 12 \rangle$ b) $\langle -2, 12 \rangle$ c) $\langle 10, -1 \rangle$ d) $\langle -10, 2 \rangle$