

Multiplying Vectors by Scalars

A) 1) If $\vec{r} = \langle 3, 1 \rangle$, what is $5\vec{r}$?

2) If $\vec{u} = \langle 9, -6 \rangle$, what is $2\vec{u}$?

$5\vec{r} =$ _____

$-2\vec{u} =$ _____

3) If $\vec{t} = \langle -1, -5 \rangle$, what is $-3\vec{t}$?

4) If $\vec{a} = \langle -4, 7 \rangle$, what is $6\vec{a}$?

$-3\vec{t} =$ _____

5) If $\vec{c} = \langle 1, -8 \rangle$,

, what is $4\vec{b}$?

$-\vec{c} =$ _____

B) Find the scalar m

1) $2\vec{s} =$ _____

$|2\vec{s}| =$ _____

3) $-3\vec{s} =$ _____

4) $5\vec{s} =$ _____

$|-3\vec{s}| =$ _____

$|5\vec{s}| =$ _____

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