

Multiplying Vectors by Scalars

A) 1) If $\vec{y} = \langle -7, 8 \rangle$, what is $-4\vec{y}$?

$-4\vec{y} =$ _____

2) If $\vec{b} = \langle -4, -1 \rangle$, what is $9\vec{b}$?

$9\vec{b} =$ _____

3) If $\vec{z} = \langle -6, 0 \rangle$, what is $-6\vec{z}$?

$-6\vec{z} =$ _____

4) If $\vec{w} = \langle 3, -5 \rangle$, what is $7\vec{w}$?

5) If $\vec{m} = \langle 8, 4 \rangle$, what is $3\vec{m}$?

$3\vec{m} =$ _____

9), what is $-5\vec{q}$?

B) Find the scalar magnitude of each vector.

1) $9\vec{t}$ = _____

$|9\vec{t}| =$ _____

3) $-8\vec{t}$ = _____

$|-8\vec{t}| =$ _____

4) $-2\vec{t}$ = _____

$|-2\vec{t}| =$ _____

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