

## Multiplying Vectors by Scalars

A) 1) If  $\vec{g} = \langle -2, -3 \rangle$ , what is  $-8\vec{g}$ ?

$-8\vec{g} =$  \_\_\_\_\_

2) If  $\vec{x} = \langle -1, 4 \rangle$ , what is  $5\vec{x}$ ?

$5\vec{x} =$  \_\_\_\_\_

3) If  $\vec{d} = \langle 1, 2 \rangle$ , what is  $9\vec{d}$ ?

$9\vec{d} =$  \_\_\_\_\_

4) If  $\vec{h} = \langle 5, 0 \rangle$ , what is  $2\vec{h}$ ?

5) If  $\vec{p} = \langle -4, 6 \rangle$ ,

$-3\vec{p} =$  \_\_\_\_\_

9), what is  $-7\vec{n}$ ?

B) Find the scalar m

1)  $-6\vec{v} =$  \_\_\_\_\_

$|-6\vec{v}| =$  \_\_\_\_\_

3)  $4\vec{v} =$  \_\_\_\_\_

$|4\vec{v}| =$  \_\_\_\_\_

4)  $7\vec{v} =$  \_\_\_\_\_

$|7\vec{v}| =$  \_\_\_\_\_

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