

7.3 Multiplication of a Vector by a Scalar

Complete Investigation #1 Pg. 320

1. $3\text{cm} [090^\circ]$

only affects
magnitude
 $3 \cdot \vec{v}$



3. $9\text{cm} [090^\circ]$

~~Complete Investigation #2 Enlarging Figures Pg. 321~~

2. $7 \vec{v}$

P. $1\text{cm} [090^\circ]$

$\vec{z} = 5\text{km} [N]$

* A negative changes the direction of our vector.

$-2\vec{z} = 10\text{km} [S]$

$|\vec{z} - 2\vec{z}$

$5\text{km} [N]$

$10\text{km} [S]$

$5\text{km} [S]$



