Warm Up
Vectors

Draw each vector based on the component notation.

$\vec{s} = \langle 3, -5 \rangle$ $\vec{t} = \langle 2, 3 \rangle$

$\vec{u} = \langle -4, 1 \rangle$ $\vec{v} = \langle -2, -3 \rangle$

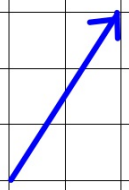
.

Draw each vector based on the component notation.

$\vec{s} = \langle 3, -5 \rangle$

$\sqrt{34}$

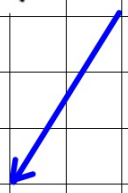
$\vec{t} = \langle 2, 3 \rangle$



$\vec{u} = \langle -4, 1 \rangle$

$\sqrt{17}$

$\vec{v} = \langle -2, -3 \rangle$



Find each of the following:

$\vec{v} + \vec{t}$

$\vec{t} + \vec{s}$

$\|\vec{u}\|$

$\|\vec{u} + \vec{s}\|$ $\sqrt{17}$

$\|\vec{u}\| + \|\vec{s}\|$ $\sqrt{34} + \sqrt{17}$

Find each of the following:

$\vec{v} + \vec{t}$

$\vec{t} + \vec{s}$

$\|\vec{u}\|$

$\|\vec{u} + \vec{s}\|$

$\|\vec{u}\| + \|\vec{s}\|$