

PreCalculus Worksheet

Your Name:

Use the given vector(s) to find the unknown vector(s).

	component	component	component	resultant
A.	$\langle 1, 0 \rangle$	$\langle 0, -1 \rangle$	$\langle 2, -2 \rangle$	

B.		10.6 mph 10° W of N	34.1 mph S	25.5 mph 34° S of W
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c.	$\mathbf{r} = \langle 8, 3 \rangle$	$\mathbf{s} = \langle -4, 6 \rangle$	$\mathbf{r} + \mathbf{s}$	
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D.	1.5 Newtons directly left	4.3 Newtons <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div>	<div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div> 20° left of up	8.1 Newtons 5° above horiz. facing right
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