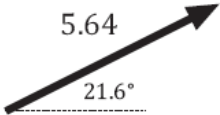
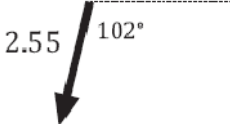


PreCalculus Quiz

Your Name:

Use the given information to find the unknown information.

	component	component	component	resultant
1.	i	$\langle 0, -1 \rangle$	$\langle 2, -2 \rangle$	<div style="border: 1px solid black; padding: 2px; text-align: center;">magnitude</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">direction</div>
2.	<div style="border: 1px solid black; padding: 5px; text-align: center;"> component form $\langle \quad , \quad \rangle$ </div>	10.6 mph N 10° W	34.1 mph South	25.5 mph W 34° S
3.	$\mathbf{r} = \langle 8, 3 \rangle$	$\mathbf{s} = \langle -4, 6 \rangle$	$2\mathbf{r} + \mathbf{s}$	<div style="border: 1px solid black; padding: 5px; text-align: center;"> component form $\langle \quad , \quad \rangle$ </div>
4.		<div style="border: 1px solid black; padding: 5px; text-align: center;"> component form $\langle \quad , \quad \rangle$ </div>	$\langle -1.4, 0.6 \rangle$	
5.	1.5 Newtons 180°	<div style="border: 1px solid black; padding: 2px; text-align: center;">magnitude</div> 305°	<div style="border: 1px solid black; padding: 2px; text-align: center;">magnitude</div> 110°	$\langle 0, 0 \rangle$