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The Figure 1b represents the full vector of the boat velocity relative to the river's banks. It has the component 2 m/s in the direction perpendicular to the banks and the component 1 m/s in the direction along to the river. The angle of the Figure 1b is  $\theta$ , so  $\theta = 0.4636 \text{ rad} = 26.65^\circ$ . The full speed (the magnitude of the velocity relative to the river banks) is  $v = 2.236 \text{ m/s}$ .

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