

P12 - 2.11 - River Boat Current

Jerry swims south across a 20 meter River. Jerry swims at 3 m/s in Stillwater. The river flows east with a velocity of 2 m/s. What is Jerry's resultant velocity? How long does it take to cross? How far downriver does Jerry land? What is Jerry's displacement?

At what heading should Jerry had to arrive directly across the river? What is Jerry's resultant velocity? At this heading how long will it take to cross? What is Jerry's displacement?