

### **Physics 10154 - Quiz 2B**

Two cars are initially 430 meters away from a bridge. Car A is 430 meters North of the bridge, and it starts moving toward the bridge with a speed of 5.0 m/s, accelerating at  $2.7 \text{ m/s}^2$ . Car B is 430 meters South of the bridge, and it is moving toward the bridge with a constant speed of 22 m/s.

- a) Do they meet North or South of the bridge?
- b) How far from the bridge do they meet?