

Name _____

Student Number _____

Show all work. Label your answers clearly.

Geoff and Fiona decide to race to Drumheller Fountain. Geoff starts 200 feet away from the fountain and runs at 10 mph. Fiona gets a headstart and begins the race 50 yards from fountain. After 6 seconds, she has covered half the distance from her starting point to the fountain. Assume Fiona and Geoff both run at a constant rate.

a) (5 points) Who is running faster? Explain.

b) (5 points) Who wins the race? Explain.