



## Problem of the Week

### Problem E

#### How Far From Here to There

A cyclist leaves the town of Alphaville and heads toward Betaville. She travels at a constant speed of 14 km/h.

At the same time, a jogger and a walker leave Betaville and head toward Alphaville. The walker travels at a constant speed of 6 km/h and the jogger travels at a constant speed of 10 km/h.

If the cyclist passes the walker 4 minutes after passing the jogger, how far apart are the towns Alphaville and Betaville?

