

# Warm-Up: Travellers

Prepared by Mark on January 25, 2025

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**Problem 1:**

Four travellers are on a plane, each moving along a straight line at an arbitrary constant speed.

No two of their paths are parallel, and no three intersect at the same point.

We know that traveller A has met travelers B, C, and D,

and that traveller B has met C and D (and A). Show that C and D must also have met.