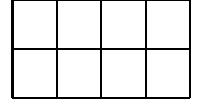


Name:

Math Olympiad Exploring! – Problem Due: – January 14, 2004

# Walking to School

Every day, Talin walks to school (point  $B$ ) from her house (point  $A$ ):



How many different paths can she take?

How many different paths can she take if she only moves closer to  $B$ ?

What is the longest path that she can take?

What is the shortest path she can take?

What are all possible values for lengths of paths that she can take?