Math 235 - Dr. Miller - Activity: More Practice with Proofs about Relations

Work on the following together during class, as needed and as time permits.

1. Define a relation R on $\mathbf{R} \times \mathbf{R}$ via (a,b)R(c,d) if $a-b^2 \leq c$. Determine whether R is reflexive, symmetric, transitive, and formally prove each claim.

