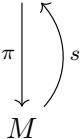


$$M \times \mathbb{R}$$



$$\begin{array}{ccc} & & \\ \pi \downarrow & \curvearrowright & s \\ & & \end{array}$$

The diagram illustrates a relationship between the product space  $M \times \mathbb{R}$  and the space  $M$ . A vertical arrow labeled  $\pi$  points from  $M \times \mathbb{R}$  down to  $M$ , representing a projection map. A curved arrow labeled  $s$  points from  $M$  up back to  $M \times \mathbb{R}$ , representing a section map.