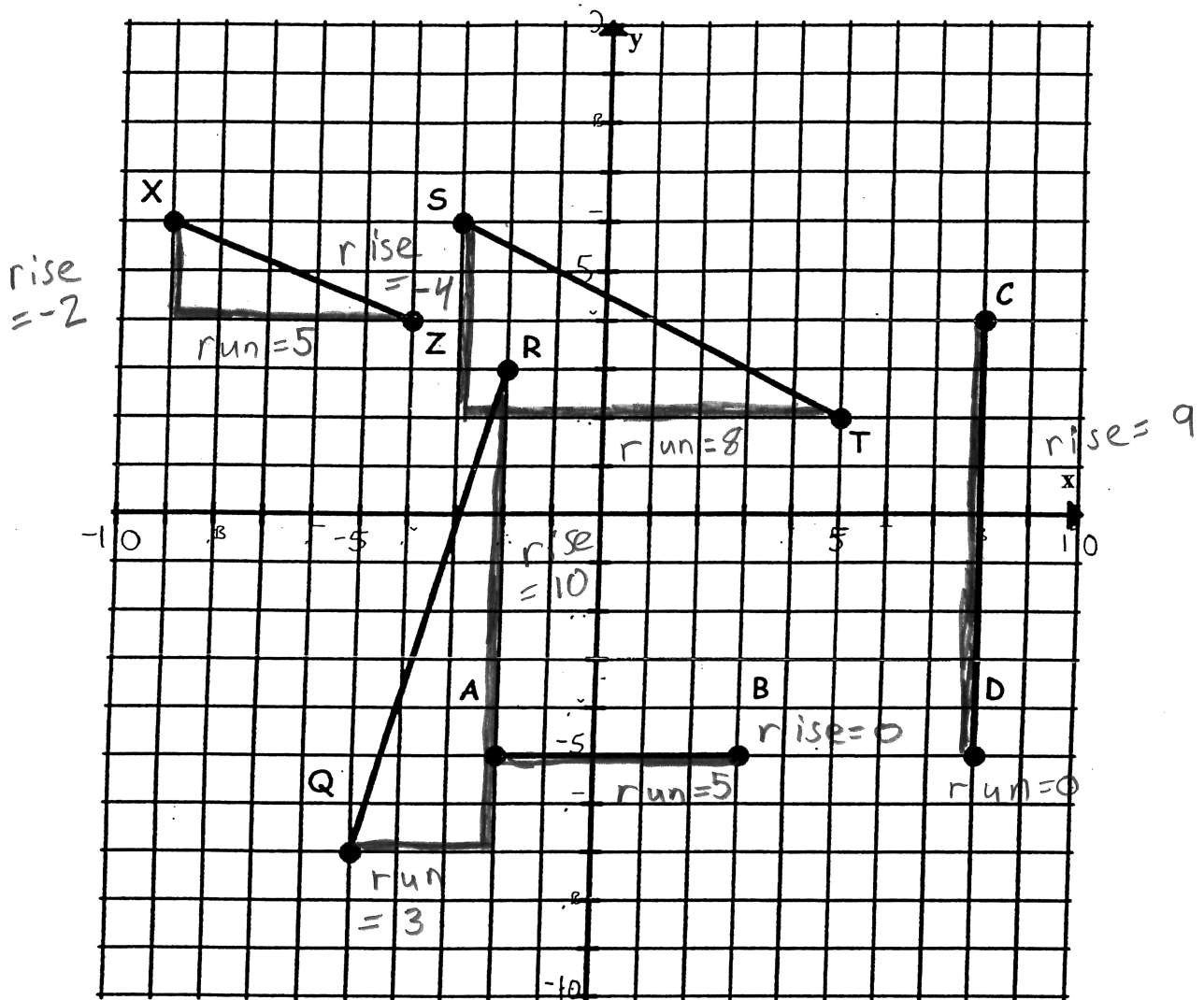


# Slope of a Line Segment

Date: \_\_\_\_\_

Determine the slopes of the following line segments.



$$m_{QR} = \frac{\text{rise}}{\text{run}} = \frac{10}{3}$$

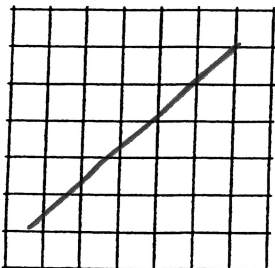
$$m_{ST} = \frac{\text{rise}}{\text{run}} = \frac{-4}{8} = -\frac{1}{2}$$

$$m_{XZ} = \frac{\text{rise}}{\text{run}} = \frac{-2}{5}$$

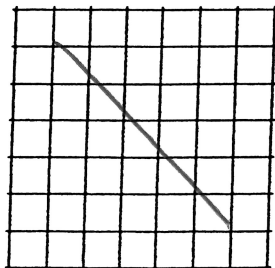
$$m_{AB} = \frac{\text{rise}}{\text{run}} = \frac{0}{5} = 0$$

$$m_{CD} = \frac{\text{rise}}{\text{run}} = \frac{9}{0} = \text{Undefined}$$

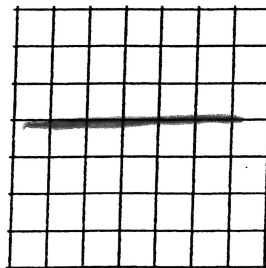
Summary:



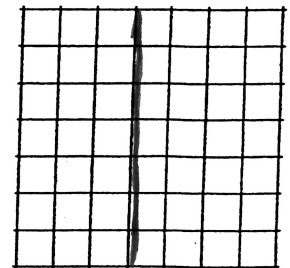
Slope is positive.



Slope is negative.



Slope is zero



Slope is undefined