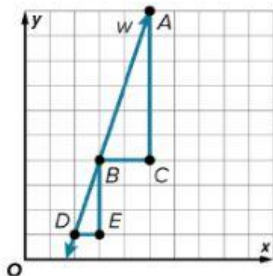


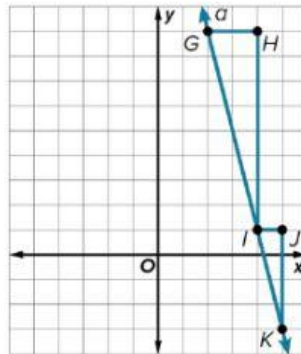
Extra Practice

Similar Triangles and Slope

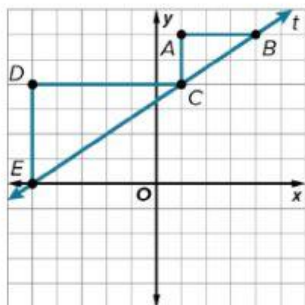
1. The graph of line w is shown. Use the similar slope triangles to compare the slopes of segment AB and segment BD . (Example 1)



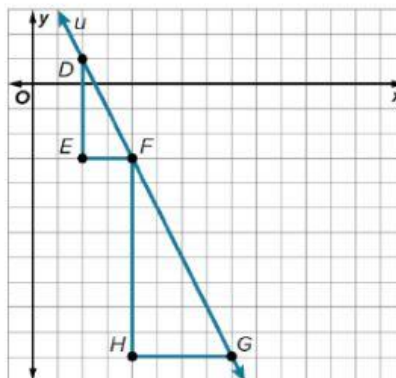
2. The graph of line a is shown. Use the similar slope triangles to compare the slopes of segments GI and IK . (Example 1)



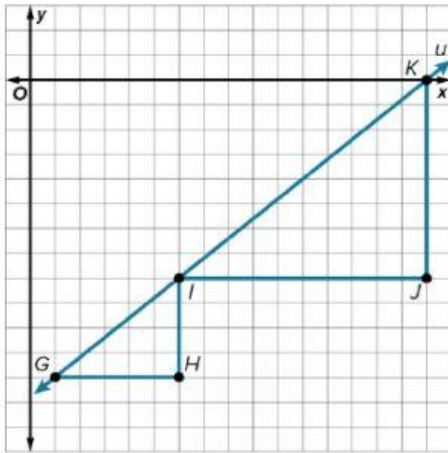
3. The graph of line t is shown. Use the similar slope triangles to compare the slopes of segments BC and CE . (Example 1)



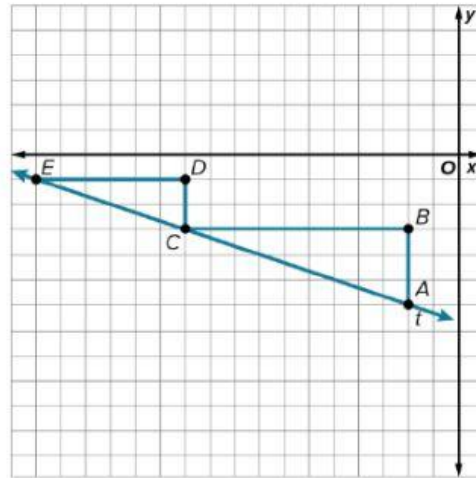
4. The graph of line u is shown. Use the similar slope triangles to compare the slopes of segments DF and FG . (Example 1)



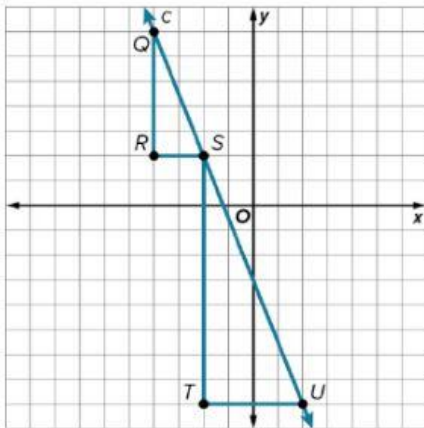
5. The graph of line u is shown. Use the similar slope triangles to compare the slopes of segments GI and IK . (Example 1)



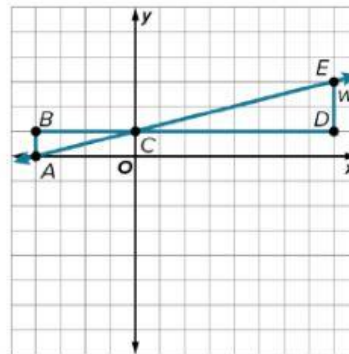
6. The graph of line t is shown. Use the similar slope triangles to compare the slopes of segment CE and segment AC . (Example 1)



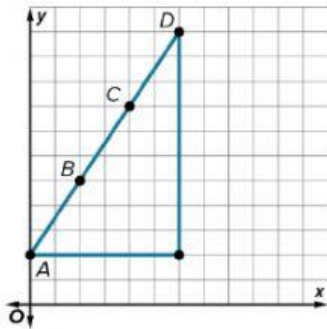
7. The graph of line c is shown. Use the similar slope triangles to compare the slopes of segments QS and SU . (Example 1)



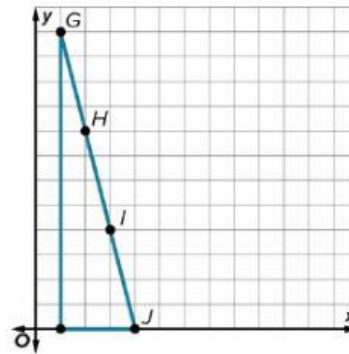
8. The graph of line w is shown. Use the similar slope triangles to compare the slopes of segments AC and CE . (Example 1)



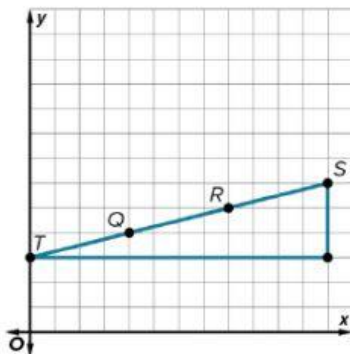
9. The plans for the upward climb of a roller coaster are shown. Use two points to determine the slope of the roller coaster. Then verify that the slope is the same by choosing a different set of points. (Example 2)



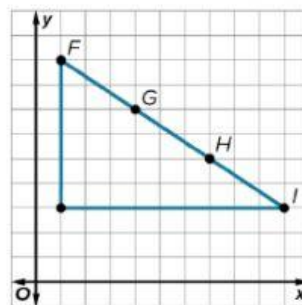
10. The diagram of the shadow from a building is shown. Use two points to determine the slope of the shadow. Then verify that the slope is the same by choosing a different set of points. (Example 2)



11. The diagram of a hill is shown. Use two points to determine the slope of the hill. Then verify that the slope is the same by choosing a different set of points. (Example 2)

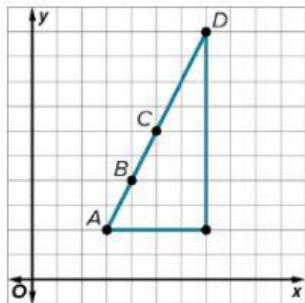


12. The plans for an escalator are shown. Use two points to determine the slope of the escalator. Then verify that the slope is the same by choosing a different set of points. (Example 2)



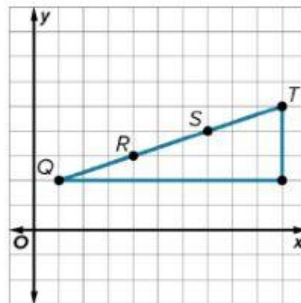
13. The diagram of a stairwell railing is shown. Use two points to determine the slope of the railing. Then verify that the slope is the same by choosing a different set of points.

(Example 2)

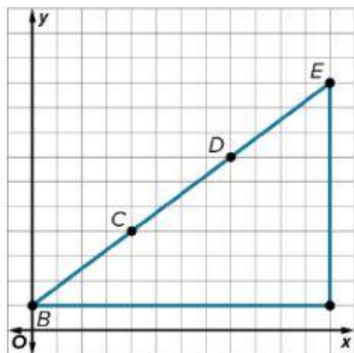


14. The plans for a ramp are shown. Use two points to determine the slope of the ramp. Then verify that the slope is the same by choosing a different set of points.

(Example 2)



15. The plans for a section of a sculpture are shown. Use two points to determine the slope of the sculpture. Then verify that the slope is the same by choosing a different set of points. (Example 2)



16. The diagram of a chairlift for a mountain is shown. Use two points to determine the slope of the chairlift. Then verify that the slope is the same by choosing a different set of points. (Example 2)

