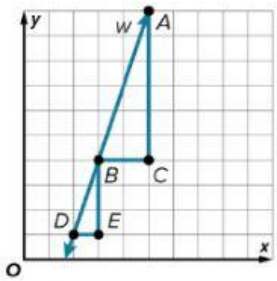
NAME _____ DATE _____ PERIOD _____

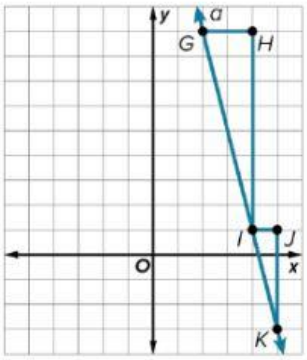
Extra Practice

Similar Triangles and Slope

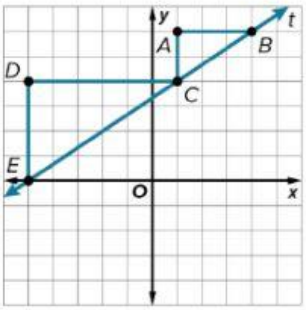
1. The graph of line *w* is shown. Use the similar slope triangles to compare the slopes of segment *AB* and segment *BD*. (Example 1)



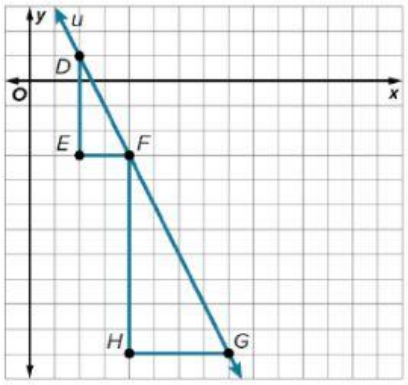
2. The graph of line *a* is shown. Use the similar slope triangles to compare the slopes of segments *GI* and *IK*. (Example 1)



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

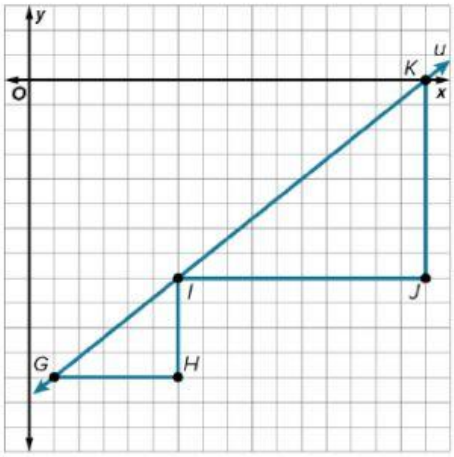


4. The graph of line *u* is shown. Use the similar slope triangles to compare the slopes of segments *DF* and *FG*. (Example 1)

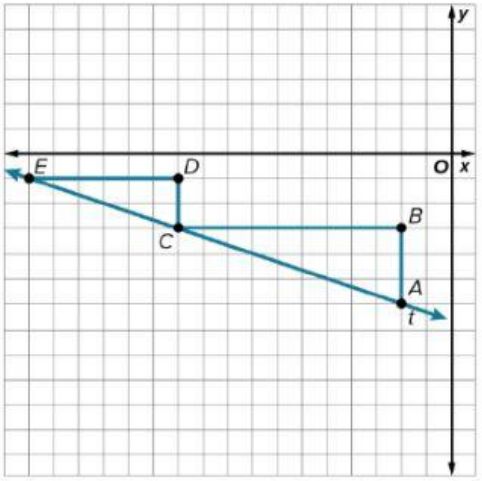


NAME _____ DATE _____ PERIOD _____

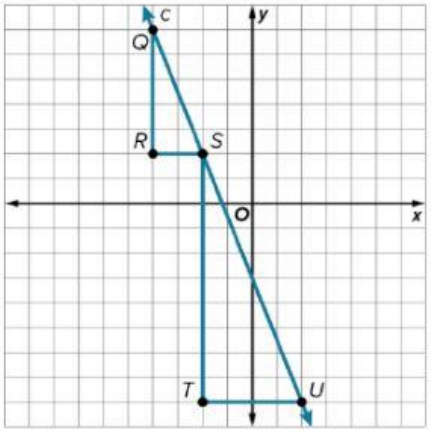
5. The graph of line *u* is shown. Use the similar slope triangles to compare the slopes of segments *GI* and *IK*. (Example 1)



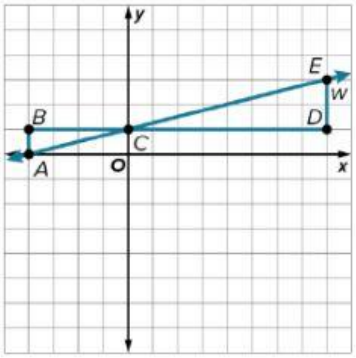
6. The graph of line *t* is shown. Use the similar slope triangles to compare the slopes of segment *CE* and segment *AC*. (Example 1)



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

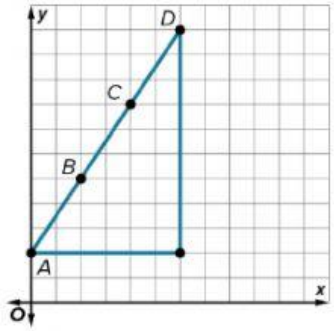


8. The graph of line *w* is shown. Use the similar slope triangles to compare the slopes of segments *AC* and *CE*. (Example 1)

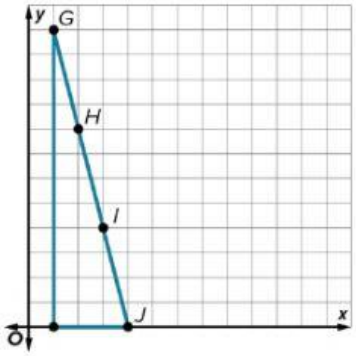


NAME _____ DATE _____ PERIOD _____

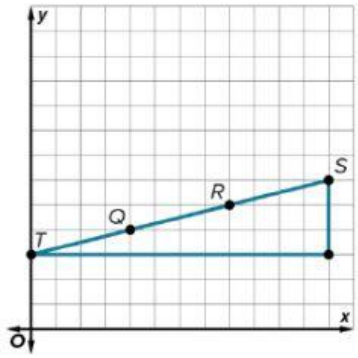
9. The plans for the upward climb of a roller coaster are shown. Use two points to determine the slope of the roller coaster. Then verify that the slope is the same by choosing a different set of points. **(Example 2)**



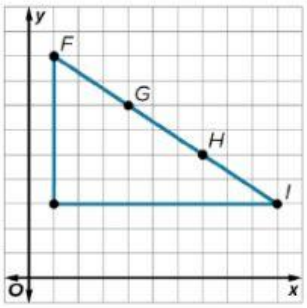
10. The diagram of the shadow from a building is shown. Use two points to determine the slope of the shadow. Then verify that the slope is the same by choosing a different set of points. **(Example 2)**



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)**

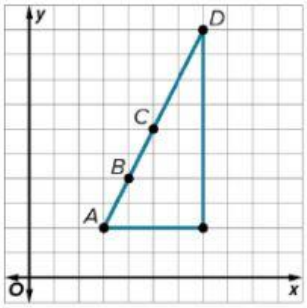


12. The plans for an escalator are shown. Use two points to determine the slope of the escalator. Then verify that the slope is the same by choosing a different set of points. **(Example 2)**

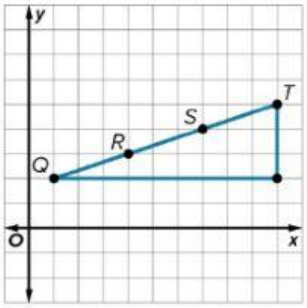


NAME _____ DATE _____ PERIOD _____

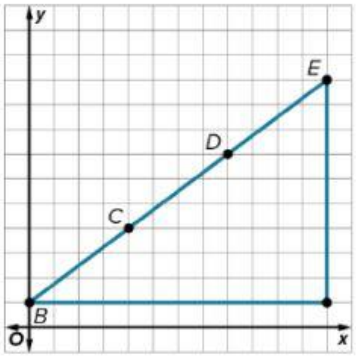
13. The diagram of a stairwell railing is shown. Use two points to determine the slope of the railing. Then verify that the slope is the same by choosing a different set of points. **(Example 2)**



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)**