9. Yes; the rate of change between any two points is the same.

10. $-\frac{1}{5}$

11. $-\frac{5}{3}$

15. The student calculated the ratio of horizontal change to vertical change, but slope is the ratio of vertical change to horizontal change; $\frac{1}{2}$.

16. zero

17. positive; 9

18. negative; -2

19. positive; 12

20. independent: time; dependent: depth of snow; 0.02 m/h

21. independent: number of people; dependent: cost; $12/person

22. independent: time; dependent: distance from destination; -60 km/h

23. 0; check students' graphs.

24. -4; check students' graphs.

25. 0; check students' graphs.

26. Undefined; check students' graphs.

27. -0.048352; check students' graphs.

28. Undefined; check students' graphs.

29. horse; mouse

30. Check students' work.

31. $2050 per month

32. 0

33. 6

34. -6

35. 4

36. 12

37. 3