Solutions:

26. **A**





27. **C**

6 people to arrange in a line



28. **B**



29. **D**

Minimum= y coordinate of the vertex

x coordinate of the vertex= 

y coordinate of the vertex= 

30. **A**

 

31. **B**  

32. **E**



33. **B**



Perpendicular slope= 

34. **A**



35. **A** (7,4) and (-2,1)



36. **C** (-3,-5)

x and y are both negative, putting it in quadrant III

37. **B**  *π* is an irrational number

38. **E**



39. **A**



40. **C**



41. **B** The GCF is 

42. **B** rate of change=slope



reciprocal=2/5

1-(2/5)=(3/5)

43. **C**



44. **A** Average rate of change= = m/s

45.  **C** The sum of the exponents for the variables is 9.

46. **C** 

47. **C** 

48. **E** 

49. **B** You have to move the decimal point 9 places to the right to get it in the form 9.1 so the answer is 

50.  **D** 