21.   Inverse variation

22.   Inverse variation

23.   Neither

24.   Direct variation

25.   Inverse variation

26.   Direct variation

27.   Direct variation

28.   Neither

29. $y = -\dfrac{10}{x}$

       y = -5

30. $y = \dfrac{32}{x}$

       y = 16

31. $y = \dfrac{7}{x}$

       y = 3.5

32. $y = \dfrac{5}{x}$

       y = 2.5

33. $y = -\dfrac{4}{x}$

       y = -2

34. $y = \dfrac{9}{32x}$

       $y = \dfrac{9}{64}$

35.   Inverse variation

36.   Direct variation

37.   Neither

38.   Inverse variation

51. $D = \dfrac{k\sqrt{L}}{T^2}$

52.   The diameter of Polaris is 100 times the diameter of the sun.