

Pre Calculus Homework Assignment 1.7 # 2-54 ^{evens}

2.) Linear function

4.) Squaring function

6.) Constant function

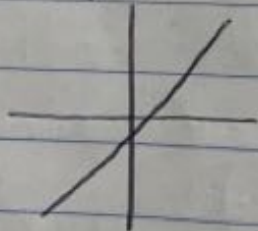
8.) Cubic function

10.) Linear

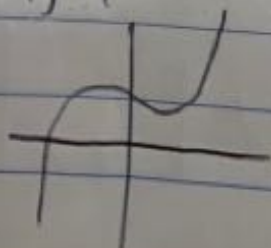
12.) $f(-3) = -8$
 $f(1) = 2$

14.) $m = \frac{2 - (-8)}{1 - (-3)} = \frac{10}{4}$
 $= 2\frac{1}{2}$

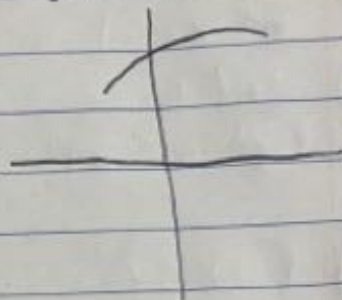
16.) $y = 2\frac{1}{2}x - 4\frac{1}{2}$



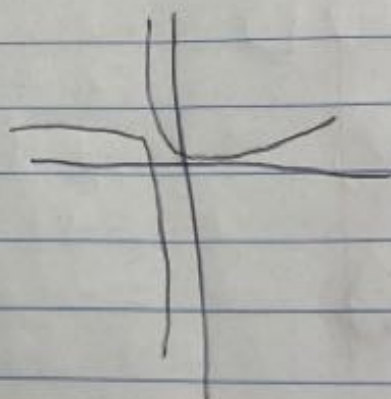
18.) $(x-1)^3 + 1$



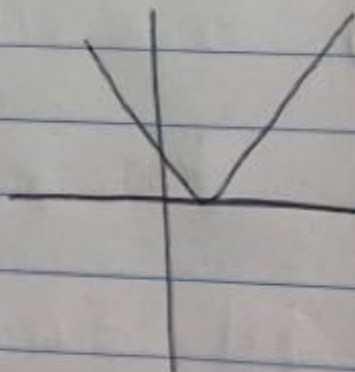
20.) $\sqrt{x+2} + 3$



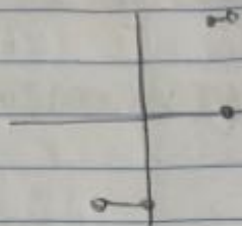
22.) $3 + \frac{1}{x+3}$



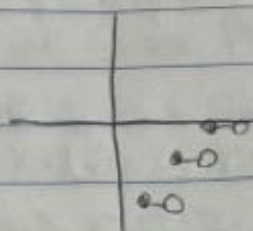
24.) ~~3x-1~~ $|x-1|$



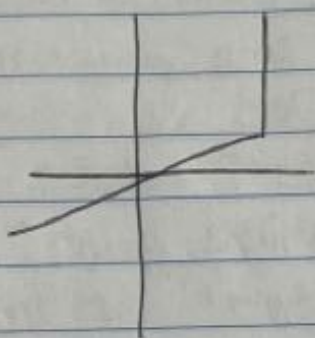
26.)



28.)



30.)



40.) According to the given model the revenue for march is 11.575 and for November is 4.63.

42.) The actual values are 11.5 and 4.5

44.) True

46.) false

48.) false

32.) Domain $7 < x \leq 12$
of $-1.97x + 26.3$

50.) True

34.) Domain $1 \leq x \leq 6$
of $0.505x - 1.47x$

52.) True

54.) = 11.96

36.) = 11.5

38.) = 4.63