

BI Alg2 9/14/11

SR

$$\begin{aligned}f(x) &= 3x+4 \\f(-2) &= 3(-2)+4 \\f(-2) &= -6+4 \\f(-2) &= -2\end{aligned}$$

evaluate if $x = -2$
substitute for 'x'

evaluating functions

$$\begin{aligned}f(x) &= 3x-5 \\ \text{for } f(a)\end{aligned}$$

$$\begin{aligned}g(x) &= x^2-x \\ | \quad g(5n)\end{aligned}$$

$$\begin{aligned}f(x) &= 3x-5 \\ f(a) &= 3(a)-5 \\ f(a) &= 3a-5\end{aligned}$$

$$\begin{aligned}g(x) &= x^2-x \\ g(5n) &= (5n)^2-5n \\ g(5n) &= \cancel{25n^2}-5n \\ &= 25(2)^2-5(2) \\ &= 100-10 \\ &= 90\end{aligned}$$

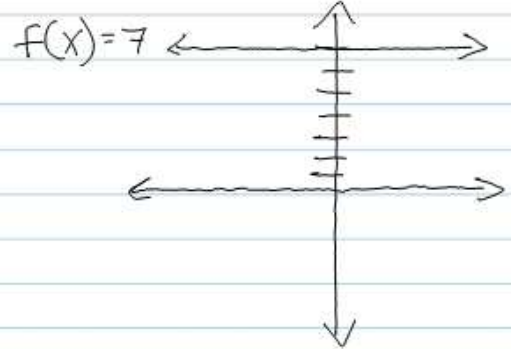
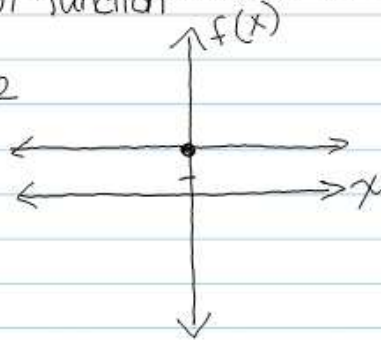
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SR

SWBAT identify the type of function indicated by both equation and graph.

constant function (value of the #)

$$y=2$$
$$f(x)=2$$



linear function

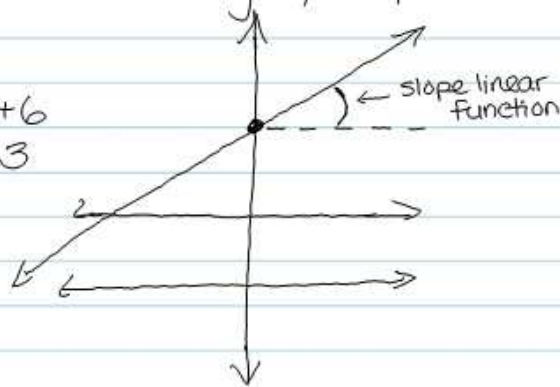
$Ax+By=C$ ← standard dealing w/ line, not horizontal

$$y=mx+b$$

$$f(x)=mx+b$$

$$f(x)=\frac{1}{2}x+6$$

$$f(x)=2x-3$$



"Juniors baited", summer work review

Mr. Laime

$$f(x) = \frac{1}{2}x + 6$$

↑ slope ↑ y-intercept

$$\frac{\Delta y}{\Delta x}$$

