

## SAT Calc allowed

Bell work Monday 10/01

The graph of an exponential function,  $y = f(x)$ , has a y-intercept of  $p$ , where  $p > 0$ . Which of the following could be the function that defines  $f$ ?

~~a)  $f(x) = 2.1(x)^p$~~

exponential function has to have a variable exponent.

~~b)  $f(x) = 2.1x + p$~~

Linear  $mx + b$

~~c)  $f(x) = 2.1(p)^x$~~

y-int  $\rightarrow 2.1$

d)  $f(x) = p(2.1)^x$

y-int  $\rightarrow p$

y-int  $\rightarrow$  plug in 0 for x