

Pg 3 (12) Remember

Survey = ask

Right

Observational = watch

middle

Experiment = change & compare

LEFT

(13) Use desmos + guess + check or...

Note X-intercepts -2 & $1/3$ & -1

So, $(x+2)(x-1)(3x+1) =$

	x	2
x	x^2	$2x$
1	$1x$	2

 $=$

	x^2	$+3x$	$+2$
$3x$	$3x^3$	$9x^2$	$6x$
-1	$-x^2$	$-3x$	-2

 $=$

$3x^3 + 8x^2 + 3x - 2$

(14) $5 \cdot (\frac{1}{3})^{3x-1} = 10$ remember Logs = exponents

$$3x-1 = \log_{\frac{1}{3}}(2)$$

$$a = 3x-1$$

$$b = \frac{1}{3}$$

$$d = 2 \text{ (because } 10/5 = 2)$$

(15) shift = $\frac{3}{x-7} + 4$ $-7+4 = -3$ Pro tip write it out!!
↙ 7 left ↖ 4 up

(16) unbiased = random!! (A)

(17) Know what you don't know → guess with purpose
(most complicated is A) (A)

(18) Desmos - match graphs

(D)

Pro tip Don't forget ()