

Day 1, Day Of Assignment:

1-3, b.) Using the four function machines from class today, what order will result in a final output of 2 when the first input is 8? Justify your answer with work!

The machines are: $y = -2x + 34$ $y = -|3x|$ $y = \frac{-x}{3} - 10$ $y = (x - 2)^2$

Complete each function table below:

1) $f(x) = 5x^2$

x	-3	-1	2	3	5
$f(x)$					

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

x	1	2	4	5	8
$f(x)$					

3) $f(x) = 2x + 4$

x	-2	-1	1	2	5
$f(x)$					

4) $f(x) = 2x^3$

x	-2	-1	1	2	3
$f(x)$					

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

x	-3	-1	0	2	3
$f(x)$					

6) $f(x) = -x^2$

x	-4	-3	0	1	2
$f(x)$					

7) $f(x) = -4 - x$

x	-4	-1	2	6	8
$f(x)$					

8) $f(x) = 8 - 5x$

x	-6	-3	0	3	5
$f(x)$					