

Name:

Math 1

Date:

Practice Quiz 5-B

1. State whether the following functions are linear, exponential, or neither.

a)

x:	1	2	3	4
y:	99	71	43	15

b)

x:	55	56	57	58
y:	64	80	100	125

c) $c(x) = 21^x$

d) $d(x) = 8x + 10$

e) (1, 2), (2, 6), (3, 18), (4, 22)

f) $f(5) = 64, f(6) = 62, f(7) = 60, f(8) = 58$

2. State the domain and range of each function.

a) $a(x) = \left(\frac{5}{3}\right)^x$

b) $b(x) = x - 2$

c) $c(x) = -6x$

d) $d(x) = -5$

e) $e(x) = -12^x$

f) $f(x) = 20$

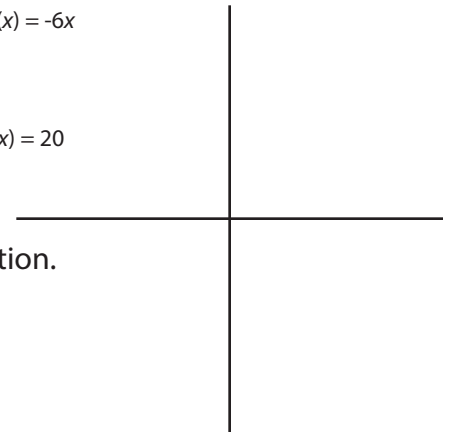
3. Sketch the following functions on the axes provided, and label each function.

a) $a(x) = 4^x$

b) $b(x) = -6^x$

c) $c(x) = \left(\frac{8}{9}\right)^x$

d) $d(x) = \left(\frac{9}{8}\right)^x$



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