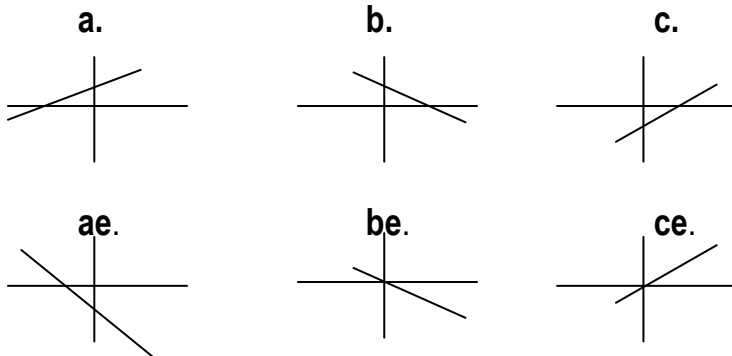
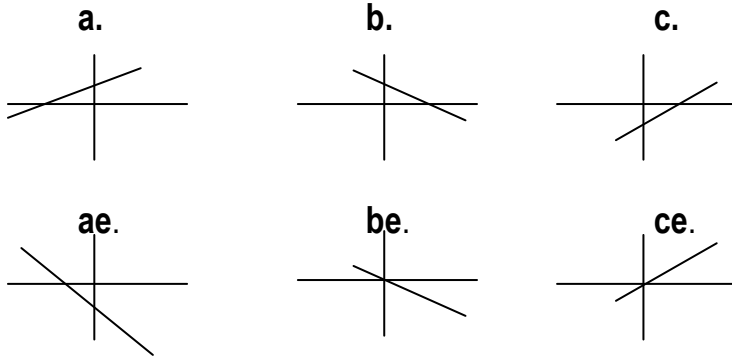


1. Choose the appropriate sketch of  $y = -793,000x + 0.000073$  based on the signs of the slope and intercept.



2. Choose the appropriate sketch of  $y = -793,000x$  based on the signs of the slope and intercept.



3. For the linear function tabulated, give the x-intercept

- a. (0,24)                      b. (18,0)                      c. (-6, 32)                      d. -3/2                      e. 2/3

<b>x</b>	-9	-6	-3	0	3	6	9	12	15	18	21	24	27	30	33
<b>y(x)</b>	36	32	28	24	20	16	12	8	4	0	-4	-8	-12	-16	-20

4. For each of these linear functions, give the slope-intercept equation  $y = \underline{\hspace{2cm}}$ .

a.

<b>x</b>	<b>y</b>
-4	12
-2	8
0	4
2	0
4	-4
6	-8
8	-12
10	-16
12	-20
14	-24

b.

<b>x</b>	<b>y</b>
-12	-16
-8	-8
-4	0
0	8
4	16
8	24
12	32
16	40
20	48
24	56

c.

<b>x</b>	<b>y</b>
-4	-1.4
-2	-0.7
0	0
2	0.7
4	1.4
6	2.1
8	2.8
10	3.5
12	4.2
14	4.9

d.

<b>x</b>	<b>y</b>
2	15
3	12
4	9
5	6
6	3

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**Answers:**

1. b

2. be

3. b

4.

a.  $y = 4 - 2x$

b.  $y = 8 + 2x$

c.  $y = 0.35x$

d.  $y = 21 - 3x$

## *Linear Functions and Models*

*Instr: Jamieson*

*Last updated 2/8/2012*