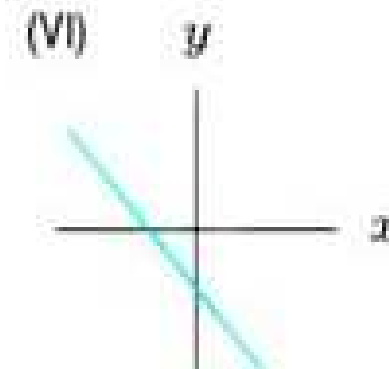
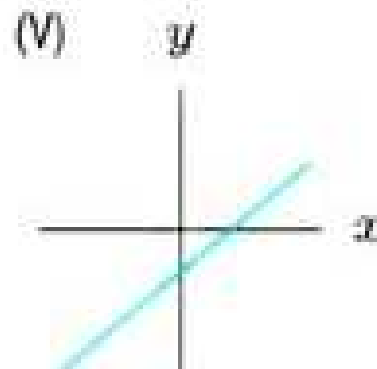
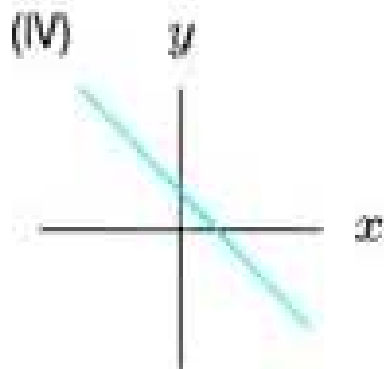
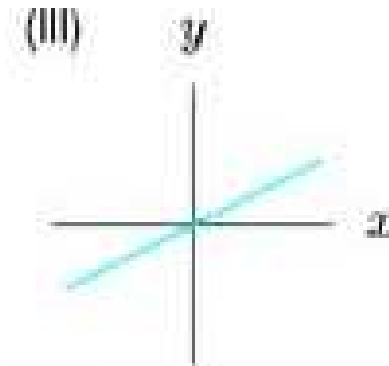
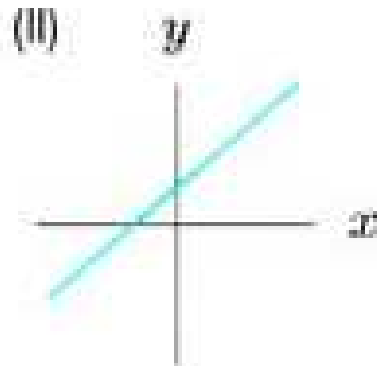
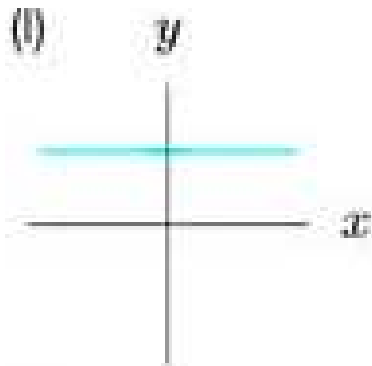


**10. Match the graphs with the following equations.
(Note that the x and y scales may be unequal.)**

- | | |
|-------------------|-------------------|
| (a) $y = x - 5$ | (d) $y = -4x - 5$ |
| (b) $-3x + 4 = y$ | (e) $y = x + 6$ |
| (c) $5 = y$ | (f) $y = x/2$ |



Which of the following tables could represent linear functions?

(a)

x	$f(x)$
1	1
2	2
3	4
4	8

(b)

x	$g(x)$
1	-12
2	-9
3	-6
4	-3

(c)

x	$h(x)$
1	10
2	9
4	6
8	3

(d)

x	$j(x)$
1	12
2	14
4	16
8	18

Which of the following functions is ***not*** increasing?

- (a) The elevation of a river as a function of distance from its mouth
- (b) The length of a single strand of hair as a function of time
- (c) The height of a person from age 0 to age 80
- (d) The height of a redwood tree