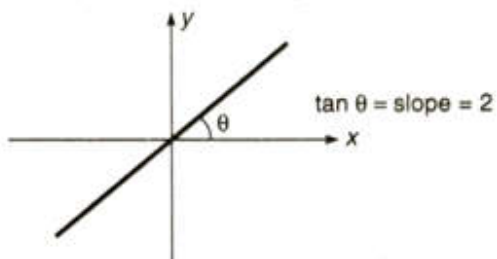


**Q 01.** Draw straight lines corresponding to following equations

(a)  $y = 2x$     (b)  $y = -6x$     (c)  $y = 4x + 2$     (d)  $y = 6x - 4$

**Solution** (a) In  $y = 2x$ , slope is 2 and intercept is zero. Hence, the graph is as shown below.



(b) In  $y = -6x$ , slope is  $-6$  and intercept is zero. Hence, the graph is as shown below.

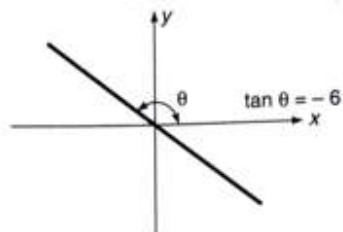


Fig. 1.9

(c) In  $y = 4x + 2$ , slope is  $+4$  and intercept is 2. The graph is as shown below.

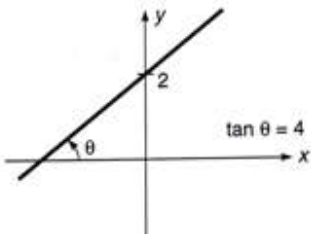


Fig. 1.10

(d) In  $y = 6x - 4$ , slope is  $+6$  and intercept is  $-4$ . Hence, the graph is as shown below.

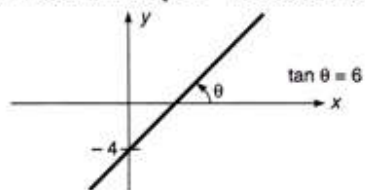


Fig. 1.11