

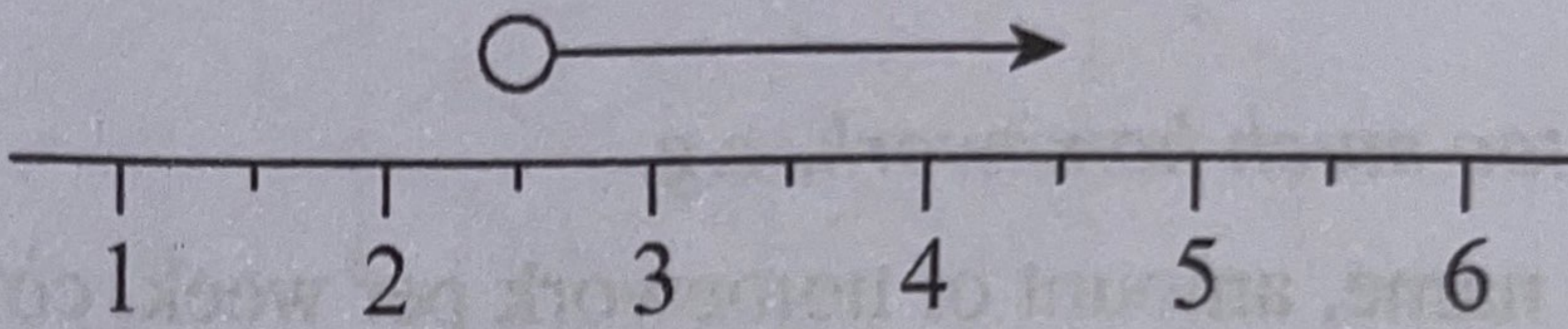
8C-8D

1 a $x > 2\frac{1}{2}$ b $x < 4$ c $x \leq 2$ d $x < 4$
e $x > 8$ f $x \geq -6$

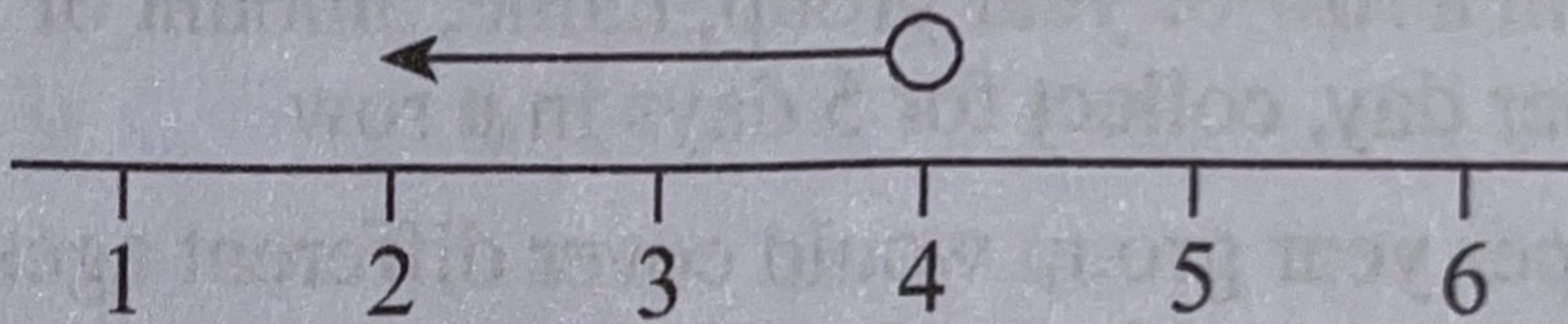
2 a $x > 2$ b $x \leq 2$ c $x \leq 3$ d $x > -1\frac{1}{3}$
e $x > 9$ f $x > 2$

3 Question 1:

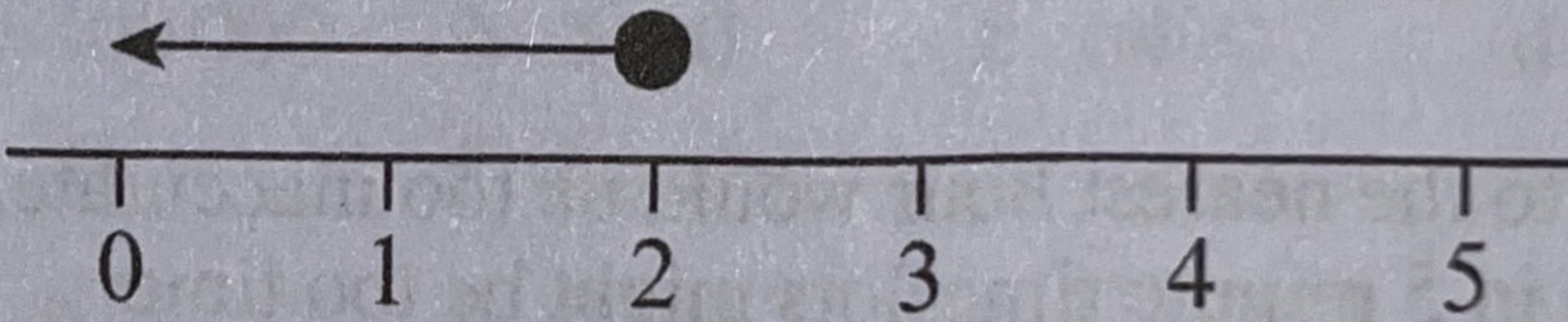
a



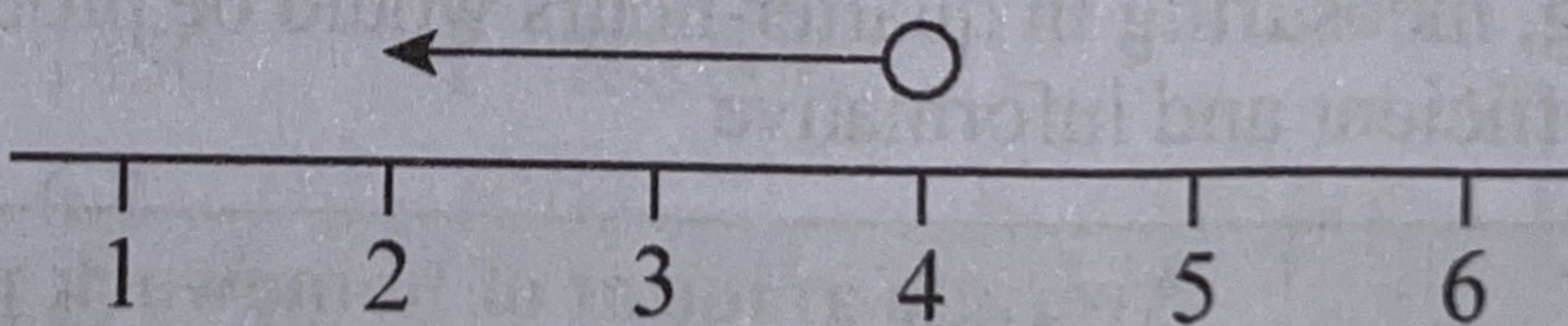
b



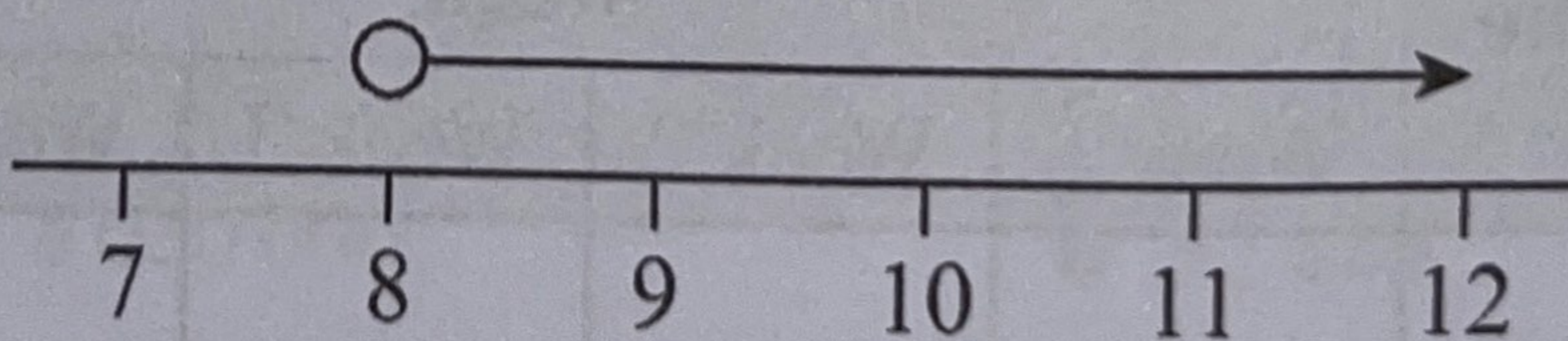
c



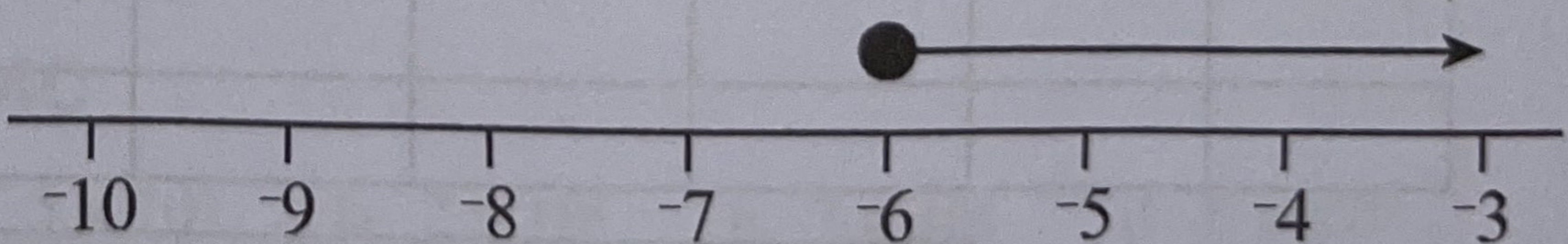
d



e

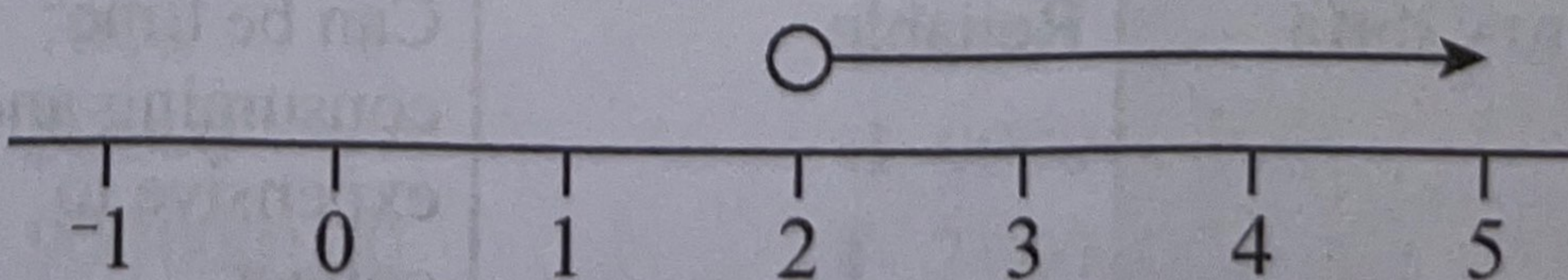


f

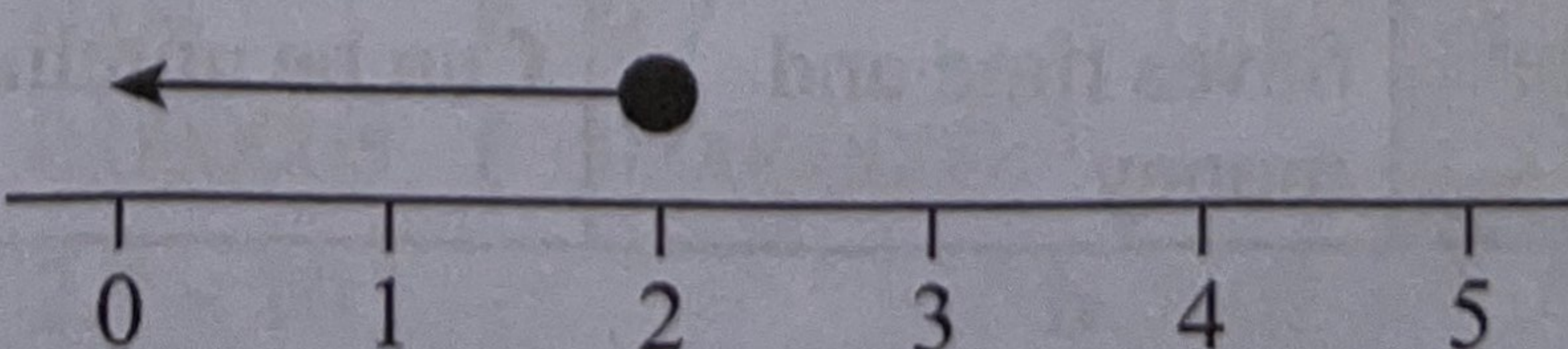


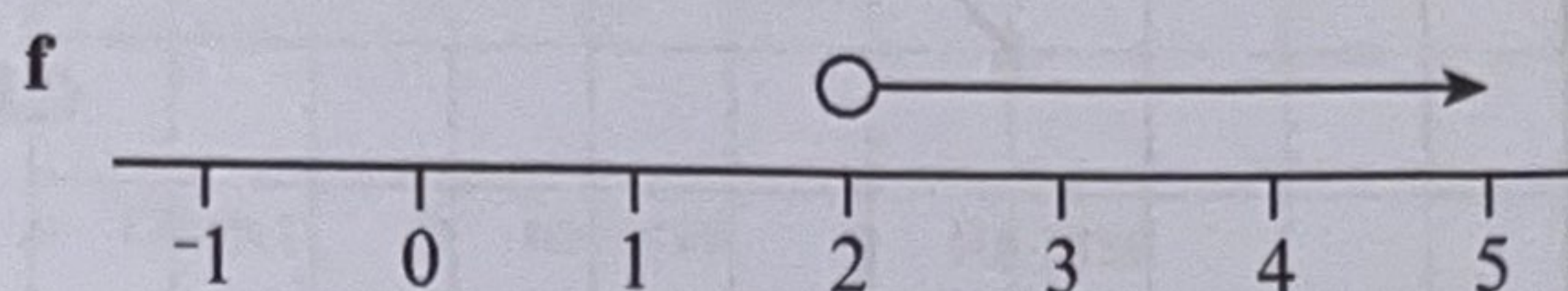
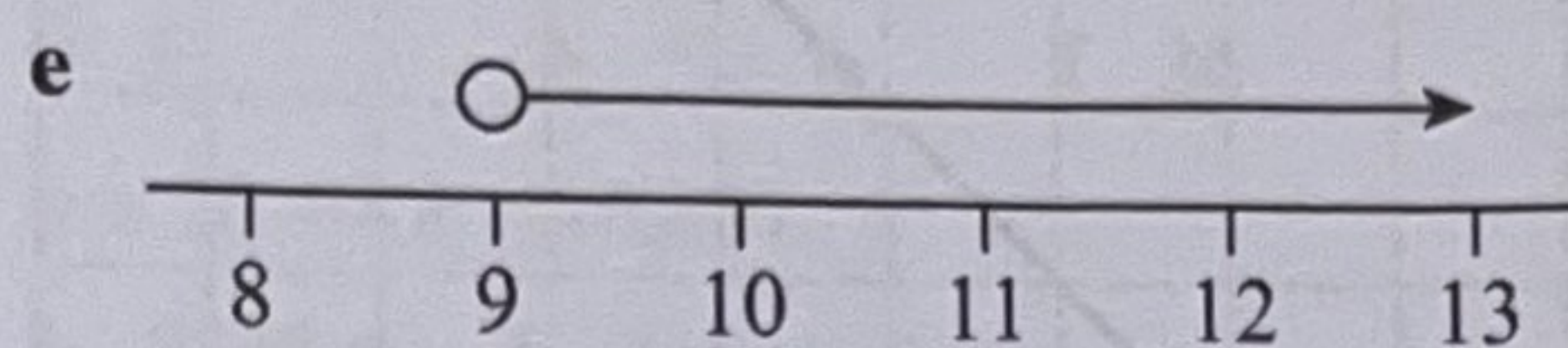
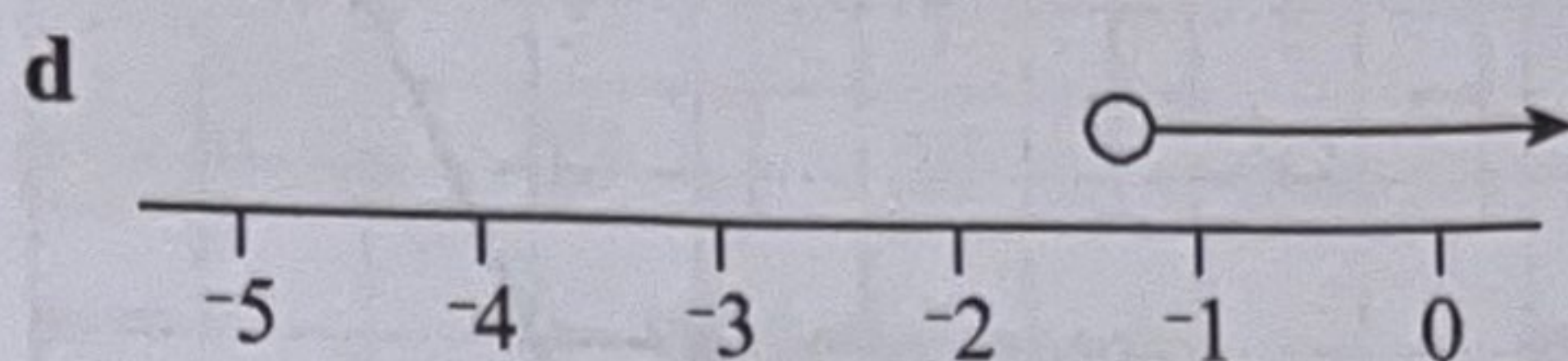
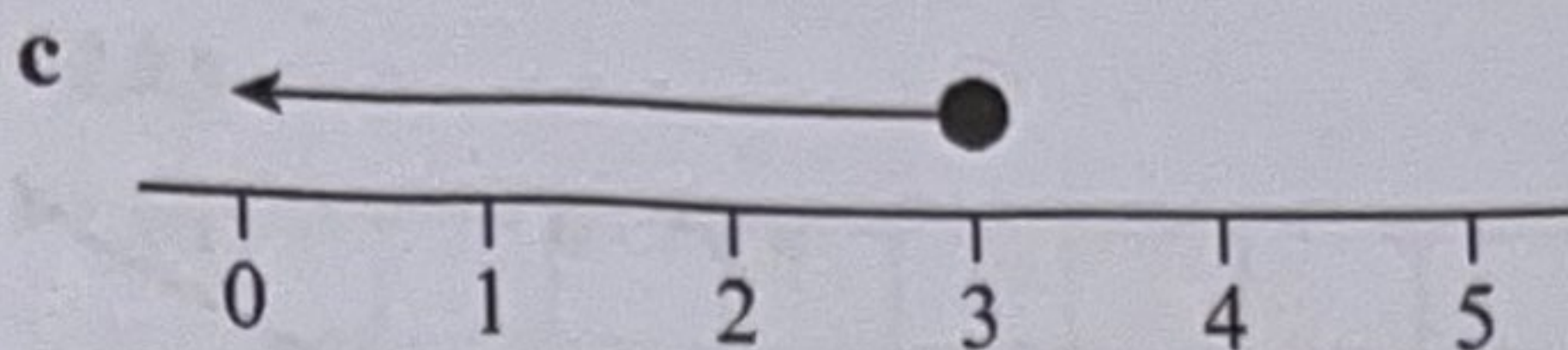
Question 2:

a



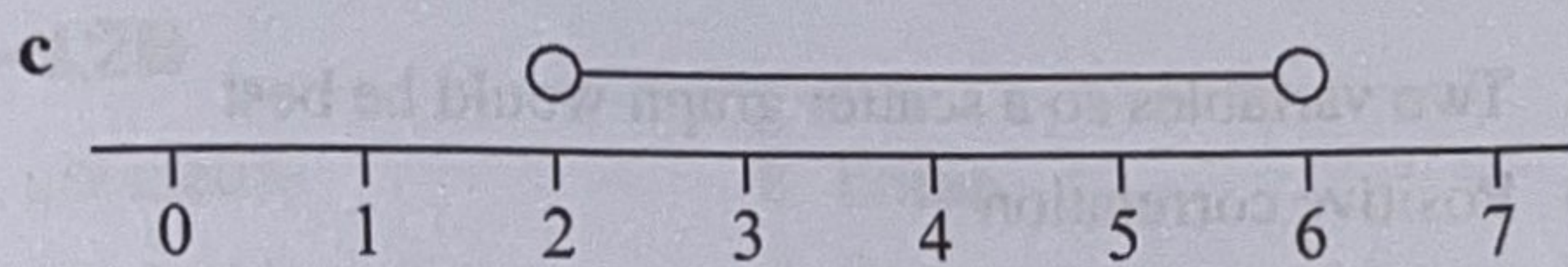
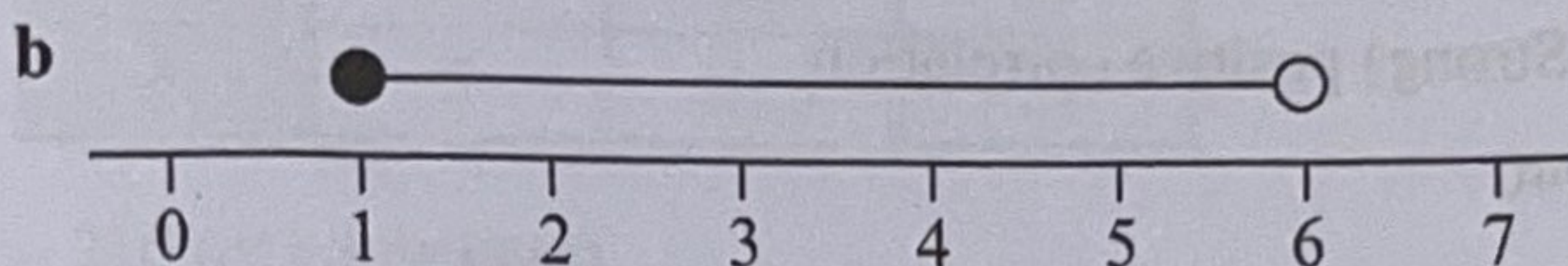
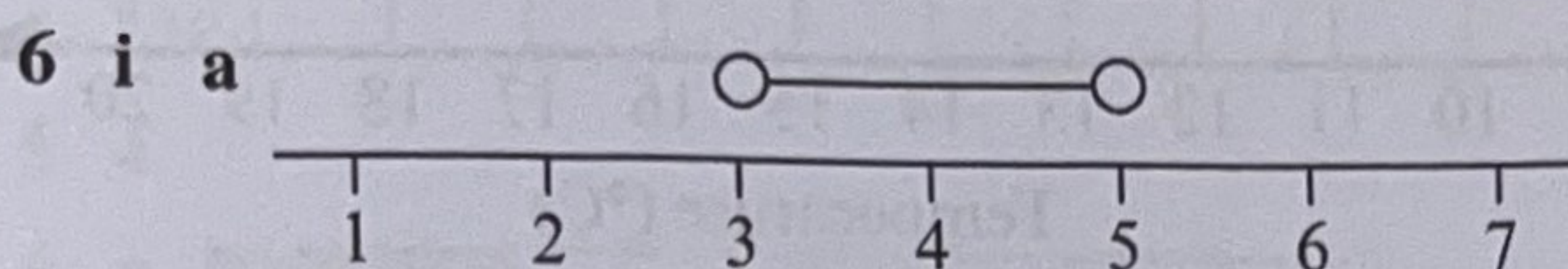
b





4 a $x \geq -1$ **b** $-4 \leq x < 2$ **c** $-7 < x < 6$

5 a $3 < x < 5$ **b** $1 \leq x < 6$ **c** $2 < x < 6$



ii a 4

b 1, 2, 3, 4, 5

c 3, 4, 5

7 a $x < 2$ **b** $x \geq -3$ **c** $x \geq 7$ **d** $x < -6$

e $x \leq -3$ **f** $x < -2$

8 a $x < \frac{1}{2}$ **b** $x \leq 10$ **c** $x < 6$ **d** $x > 11$

e $x < 7\frac{1}{2}$ **f** $x > -2$

9 a 4, 5 **b** 3, 4, 5, 6, 7, 8

10 $w > 5$ cm

11 Rani is < 9 years of age

12 Different answers possible, e.g.

a $x + 2 \geq 9$ **b** $4x + 1 < 9$ **c** $2x - 1 < 3x + 1 < 2x + 4$

13 $x > 3$

8E

1 a $y = 2x + 1$ **b** $y = 6 - x$ **c** $y = 3x - 5$

2 a $y = 2x + 1$ **b** $y = 3x + 1$

c $y = 1 - x$ **d** $y = 1 - \frac{1}{2}x$

3 a $y = 2x + 2$ **b** $y = 2x - 1$

c $y = 2x - \frac{1}{2}$ **d** $y = 2x + 0.1$

4 a 3 **b** 5 **c** -2 **d** $-\frac{1}{3}$

5 a b

b a and d