Solve the inequality $3(k + 2) \leqslant 3$.

Graph the solution on the number line.

Step 1 of 4

Expand the expression and remove the brackets first.

$3(k + 2) \leqslant 3$

$\boxed{}\, k + \boxed{} \leqslant 3$

Step 2 of 4

Simplify the inequality.

$3(k + 2) \leqslant 3$

$3k + 6 \leqslant 3$

$3k \leqslant \boxed{}$

Step 3 of 4

$3(k + 2) \leqslant 3$

$3k + 6 \leqslant 3$

$3k \leqslant -3$

$k \leqslant \boxed{}$

Step 4 of 4

$3(k + 2) \leqslant 3$

$3k + 6 \leqslant 3$

$3k \leqslant -3$

$k \leqslant -1$

Choose the number line that shows $k \leqslant -1$.

a. ○

b. ○

c. ○

d. ○