31 Write a recursive formula, a_n, to describe the sequence graphed below.

a_n

100 •(4, 108)

50

•(3, 36)

•(2, 12)

0 •(1, 4)

0   1   2   3   4 n
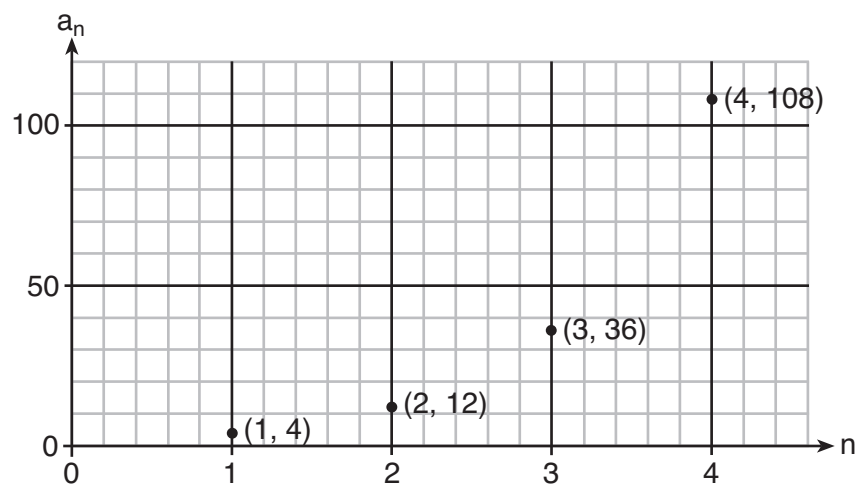
32 Sketch the graphs of $r(x) = \dfrac{1}{x}$ and $a(x) = |x| - 3$ on the set of axes below. Determine, to the *nearest tenth*, the positive solution of $r(x) = a(x)$.