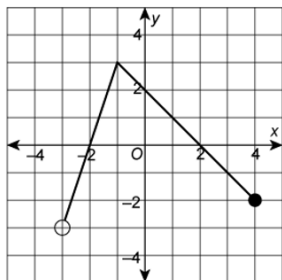


1 Answer: 105

Identify the domain of the function:

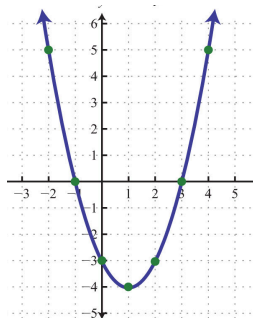
# Answer: $(-3, 3]$

What are the next 3 terms of the sequence?

93, 99, 105, 111, ...

Answer: 2, -5, -12, -19

Identify the interval(s) where the function is positive.

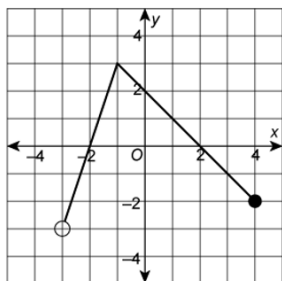
# Answer: $f(x) = -(x - 3)^2 + 11$

Find the sum of the following sigma notations series.

$$\sum_{n=1}^{12} (5n - 4)$$

Answer: $a_n = -11 - 7(n - 1)$

Identify interval(s) where the graph is positive:

# Answer: $(-\infty, -1)$ and $(3, \infty)$

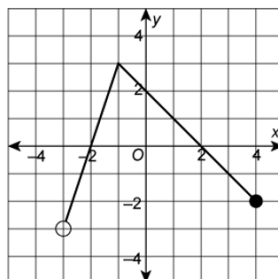
In a theater there are 9 chairs in the first row, each row has 3 more chairs than the previous row, and there are 15 rows. How many chairs are there in the theater?

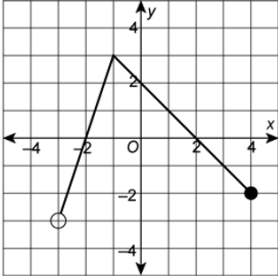
Answer: $(-3, -2)$ and $(2, 4)$

Identify the translations of the parent function $f(x) = |x|$ that give $g(x) = |x + 3| + 2$.

Answer: -3

Identify the range of the function:



<p>#___ Answer: y-axis reflection</p> <p>What is the common difference for the sequence?</p> <p>19, 16, 13, 10, ...</p>	<p>#___ Answer: 450</p> <p>In a classroom there are 3 desks in the first row, each row has 4 more desks than the previous row, and there are 7 rows. How many chairs are there in the classroom?</p>
<p>#___ Answer: 117, 123, 129</p> <p>Identify the translations of the parent function $f(x) = x^2$ that give:</p> $f(x) = (x + 5)^2 - 9$	<p>#___ Answer: left 3, up 2</p> <p>Write the first four terms of the sequence defined by:</p> $a_n = 2 - 7(n - 1)$
<p>#___ Answer: (-2, 2)</p> <p>Write a function that performs the following transformation to the parent function $f(x) = x^2$.</p> <p><i>Reflection over the x-axis, shifts up 11 and right 3</i></p>	<p>#___ Answer: 342</p> <p>Identify interval(s) where the graph is negative:</p> 
<p>#___ Answer: left 5, down 9</p> <p>Write the explicit formula for the sequence:</p> <p>-11, -18, -25, -32, ...</p>	<p>#___ Answer: (-3, 4]</p> <p>Given $f(x) = x$, what type of transformation occurs to get from $f(x)$ to</p> $g(x) = -x $