

If possible, write an explicit equation to represent each pattern below. Write your equation in two equivalent forms.

1.

x	y
1	12
2	48
4	768
6	12288

2.

x	y
0	1.5
2	96
3	768
4	6144

3.

x	y
-2	-1
0	-7
3	-16
5	-22

4. Samantha is counting the change in her tip jar each day. There is already \$2.50 in the jar. After 2, 3, and 4 days there is a total of \$6.00, \$7.75, and \$9.50 in her tip jar.

5. Write an explicit equation that would calculate the number of stars in a given round.



Write an explicit equation to represent each pattern or graph below. Write your equation in two equivalent forms.

1.

x	y
1	12
2	48
4	768
6	12288

2.

x	y
0	1.5
2	96
3	768
4	6144

3.

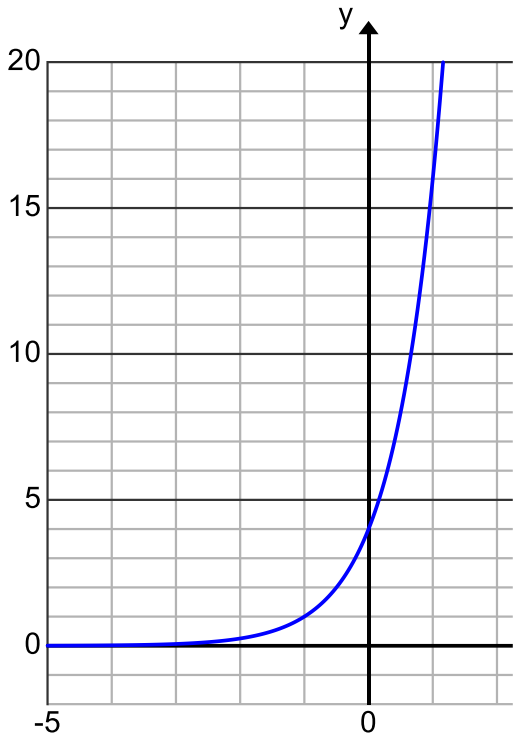
x	y
-2	-1
0	-7
3	-16
5	-22

4. Samantha is counting the change in her tip jar each day. There is already \$2.50 in the jar. After 2, 3, and 4 days there is a total of \$6.00, \$7.75, and \$9.50 in her tip jar.

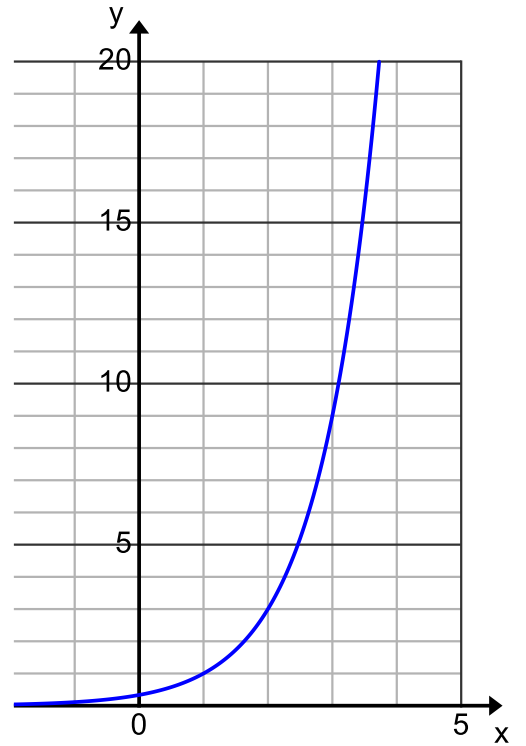
5. Write an explicit equation that would calculate the number of stars in a given round.



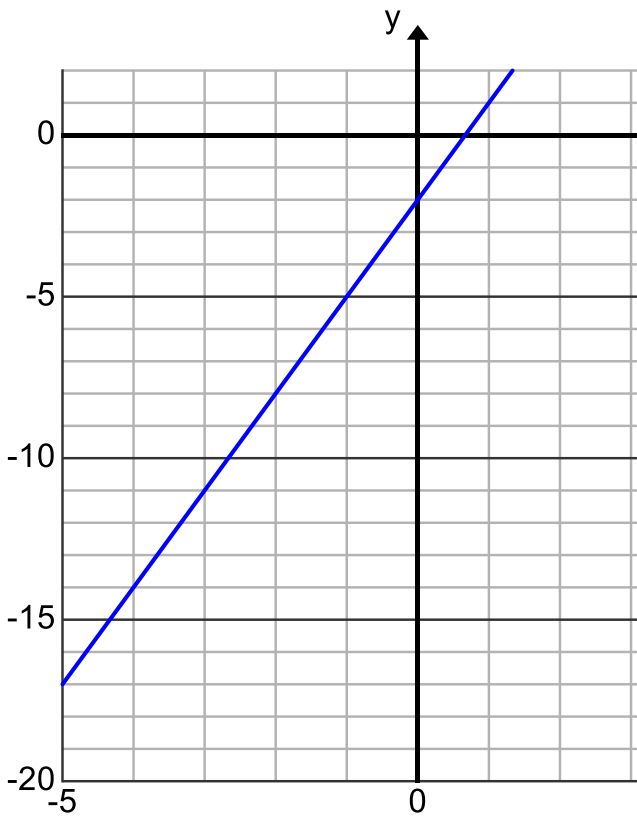
6.



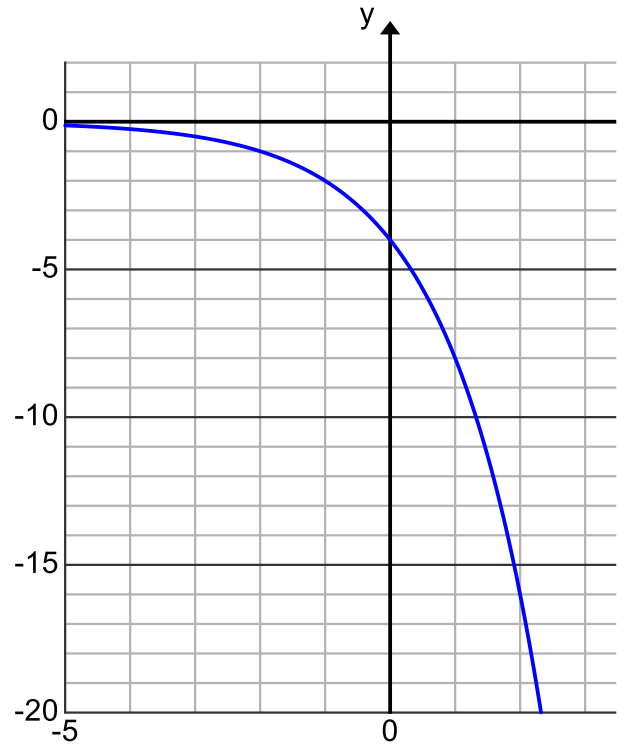
7.



8.

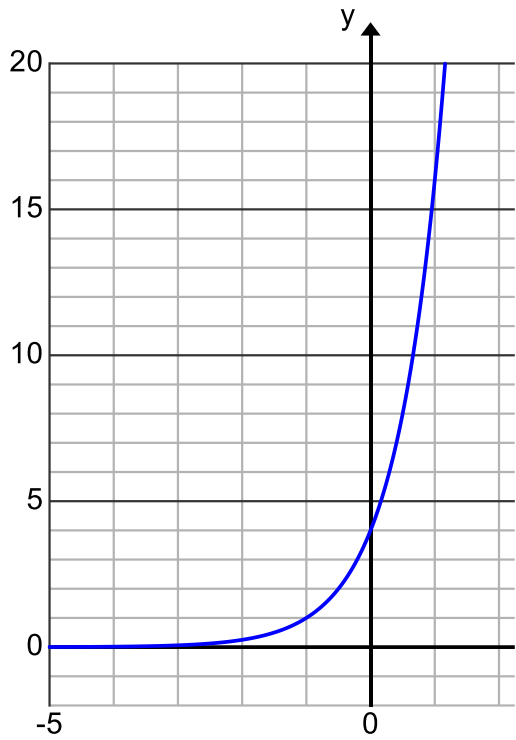


9.

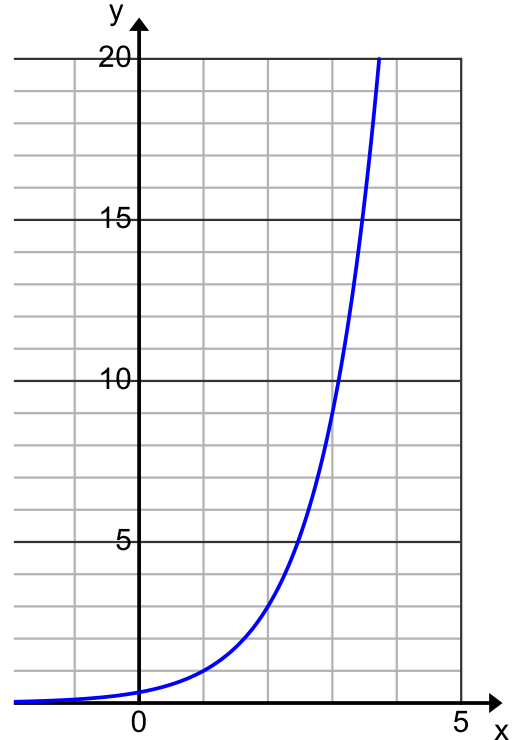


$3(4)^x$	$1(2)^x$	$4(4)^x$	$-3x - 7$	$-2x + 3$
$2.5 + 1.75x$	$-4 \cdot 2^x$	$\frac{1}{3}(3)^x$	$\frac{3}{2}(8)^x$	

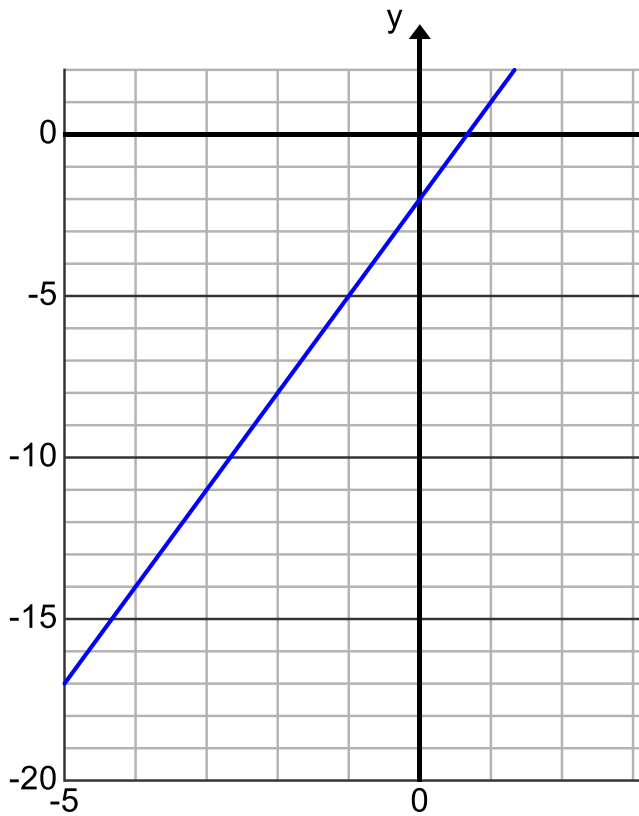
6.



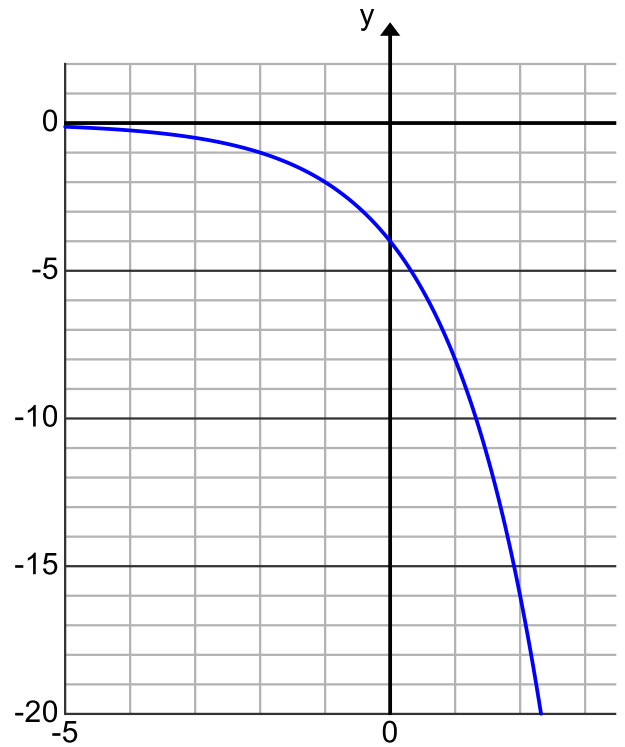
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