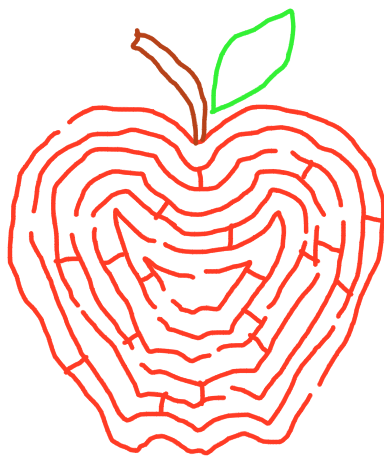


MAZE



TRANSFORMATION
OF
QUADRATIC
FUNCTIONS

Transformation of Quadratic Function Maze

Directions: Write the quadratic function, that is obtained from the parent function $y = x^2$, modeling each graph. Use your solution to navigate through the maze. Show your work.

START

$y = (x+3)^2 - 4$

$y = -(x-3)^2 - 4$

$y = (x-2)^2 + 4$

$y = (x+2)^2 + 4$

$y = -(x-1)^2 + 3$

$y = -(x+1)^2 - 3$

$y = (x-1)^2 + 4$

$y = (x+1)^2 + 3$

$y = -(x-2)^2 - 4$

$y = (x-4)^2 + 4$

$y = -(x-1)^2 + 1$

$y = (x+1)^2 + 1$

$y = (x-2)^2 - 4$

$y = (x-3)^2 - 3$

$y = (x-3)^2 + 2$

$y = (x+1)^2 - 3$

$y = (x+2)^2 - 3$

$y = -(x-4)^2 - 3$

$y = -(x-4)^2 + 2$

$y = -(x+4)^2 + 2$

$y = (x-3)^2 - 1$

$y = (x+1)^2 - 2$

$y = -(x+4)^2 + 3$

$y = -(x-1)^2 - 3$

$y = (x+2)^2 + 2$

$y = -(x+1)^2 - 3$

Good Job!!

The End

Transformation of Quadratic Function Maze

Directions: Write the quadratic function, that is obtained from the parent function $y = x^2$, modeling each graph. Use your solution to navigate through the maze. Show your work.

START

$y = -(x-3)^2 - 4$

$y = (x+2)^2 + 4$

$y = -(x+1)^2 - 3$

$y = (x+3)^2 - 4$

$y = (x-2)^2 + 4$

$y = -(x-1)^2 + 3$

$y = (x-1)^2 + 4$

$y = -(x-2)^2 - 4$

$y = (x-4)^2 + 4$

$y = -(x-1)^2 + 1$

$y = (x+1)^2 + 3$

$y = -(x+2)^2 - 4$

$y = -(x+3)^2 + 3$

$y = -(x+1)^2 - 1$

$y = (x-2)^2 - 4$

$y = (x-3)^2 - 3$

$y = (x-3)^2 + 2$

$y = (x+1)^2 + 1$

$y = (x+2)^2 - 4$

$y = -(x+3)^2 - 3$

$y = (x+2)^2 - 3$

$y = -(x-4)^2 - 3$

$y = -(x-4)^2 + 2$

$y = -(x+4)^2 + 2$

$y = (x-3)^2 - 1$

$y = (x+2)^2 + 2$

$y = (x+1)^2 - 2$

$y = -(x+4)^2 + 3$

$y = -(x-1)^2 - 3$

$y = -(x+1)^2 - 3$

Good Job!!

The End