# quadratic transformations

Work out the equation of each graph. Find your answer from those jumbled at the bottom.

$y = x^2$
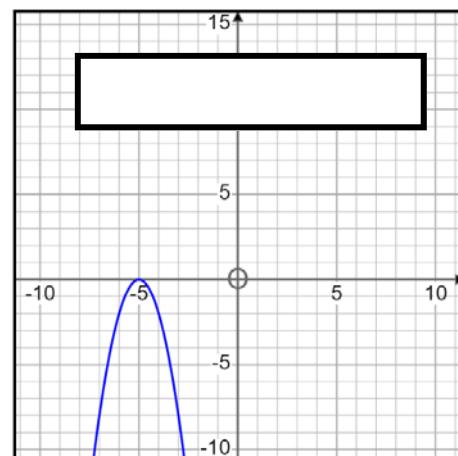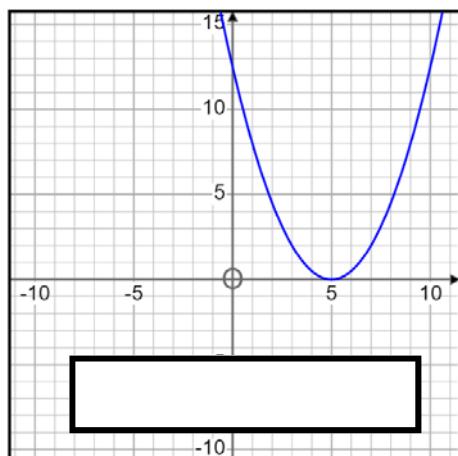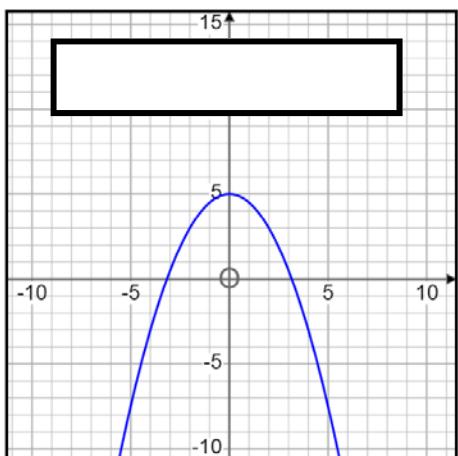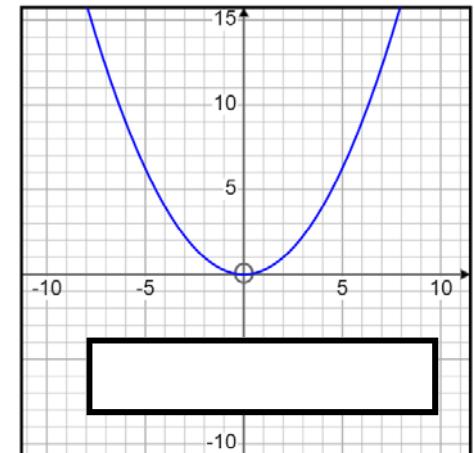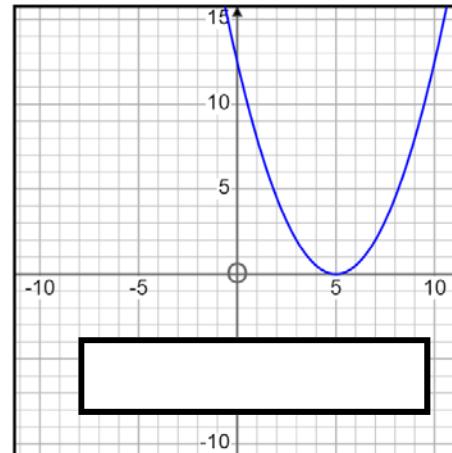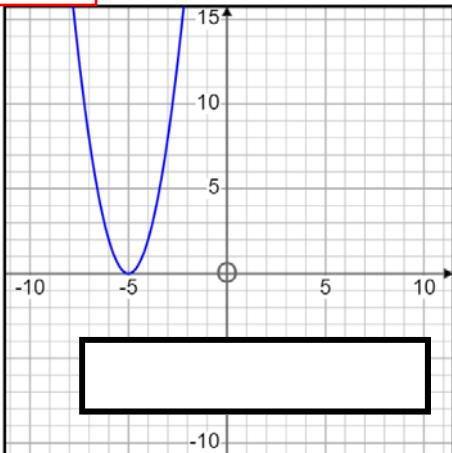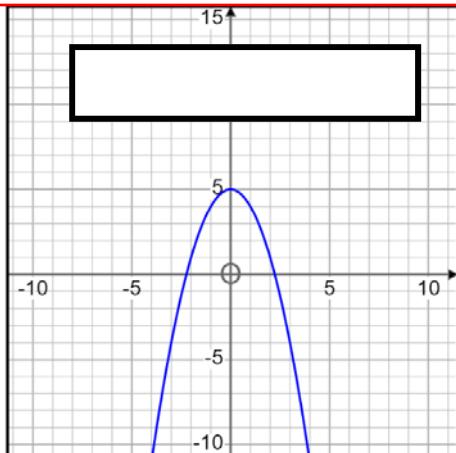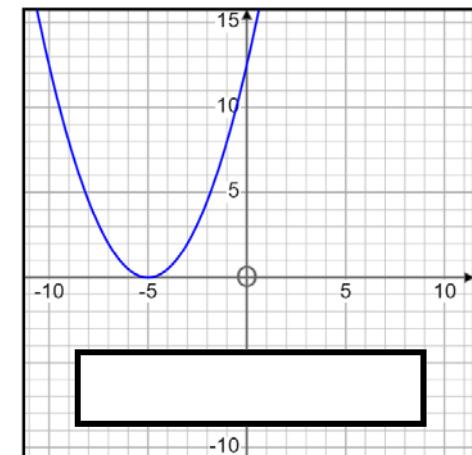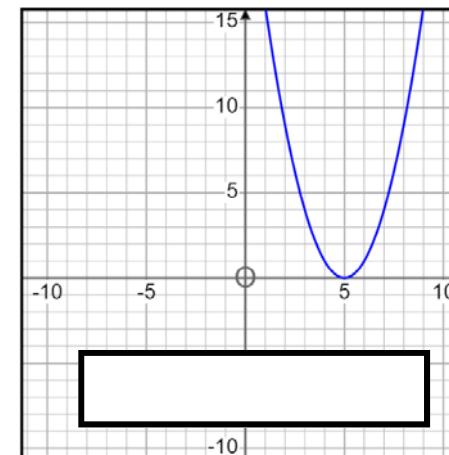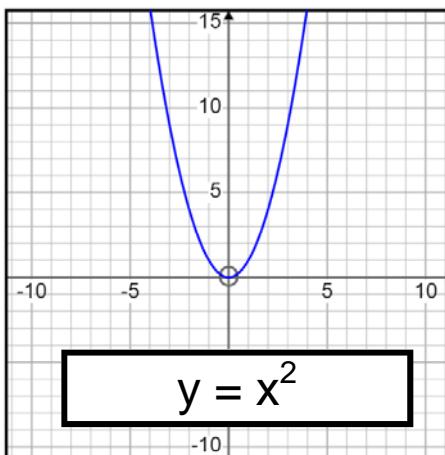


















$y = 5 - x^2$

$y = 5 - 0.5x^2$

$y = (0.5x)^2$

$y = (x-5)^2$

$y = -2(x+5)^2$

$y = 0.5(x-5)^2$

$y = 0.5(x+5)^2$

$y = 2(x+5)^2$

$y = 0.5(-x + 5)^2$

# answers

Work out the equation of each graph. Find your answer from those jumbled at the bottom.
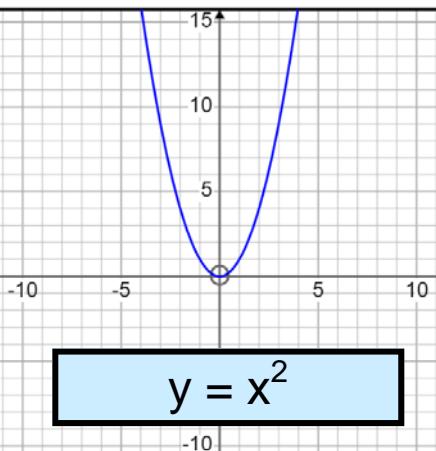


$y = x^2$
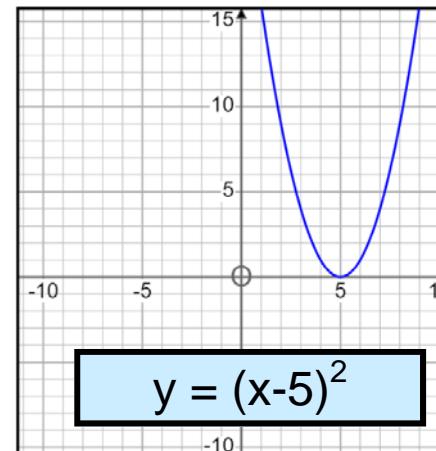


$y = (x-5)^2$
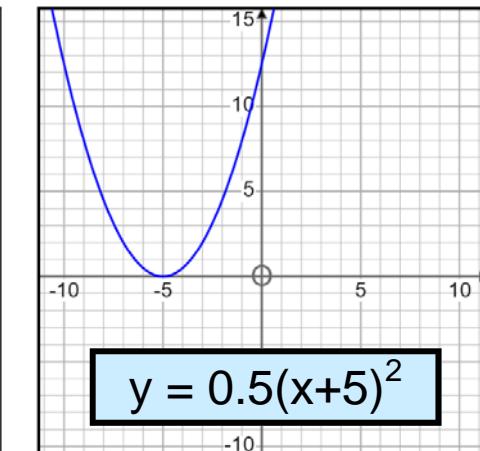


$y = 0.5(x+5)^2$
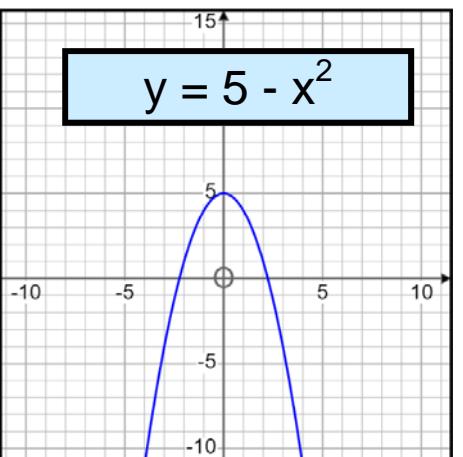


$y = 5 - x^2$
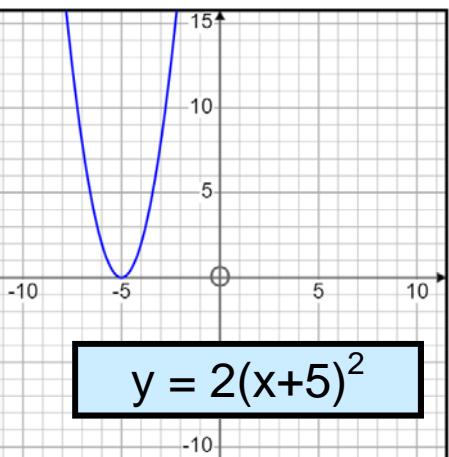


$y = 2(x+5)^2$
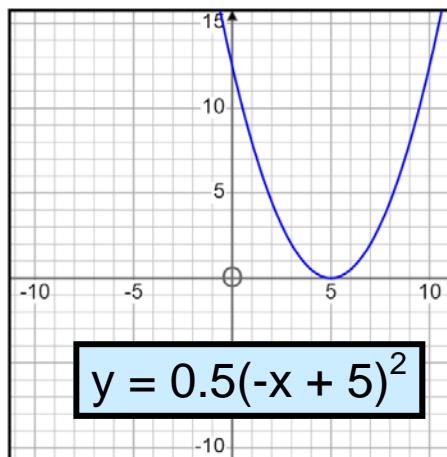


$y = 0.5(-x + 5)^2$
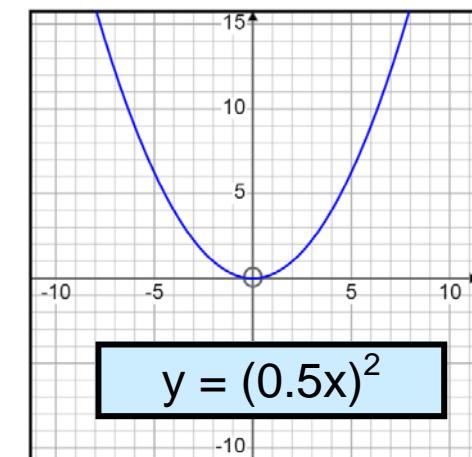


$y = (0.5x)^2$
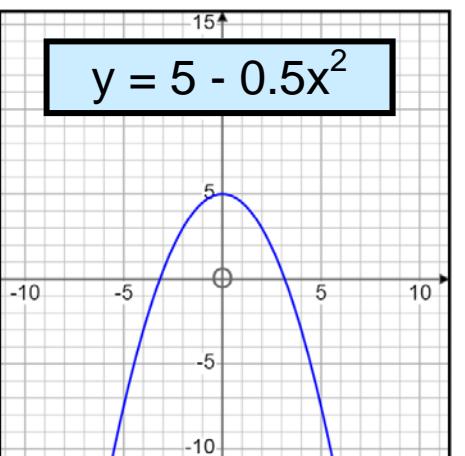


$y = 5 - 0.5x^2$
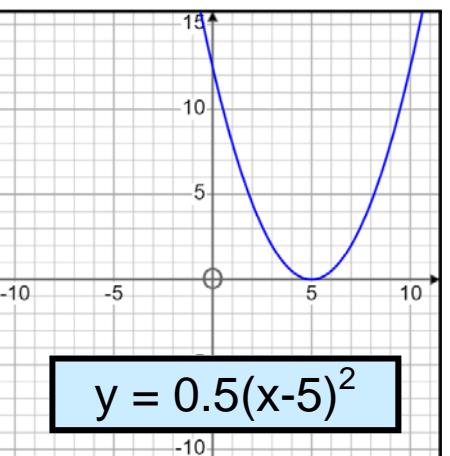


$y = 0.5(x-5)^2$



$y = -2(x+5)^2$

$y = 5 - x^2$

$y = 5 - 0.5x^2$

$y = (0.5x)^2$

$y = (x-5)^2$

$y = -2(x+5)^2$

$y = 0.5(x-5)^2$

$y = 0.5(x+5)^2$

$y = 2(x+5)^2$

$y = 0.5(-x + 5)^2$