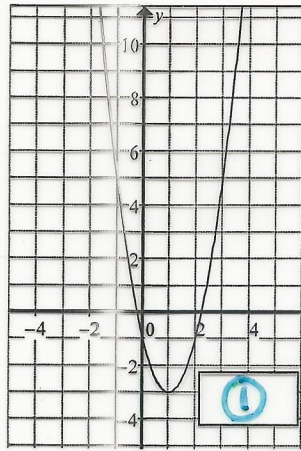
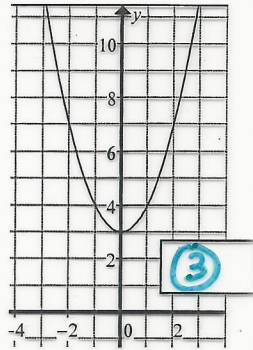


# Transformations of $y = x^2$

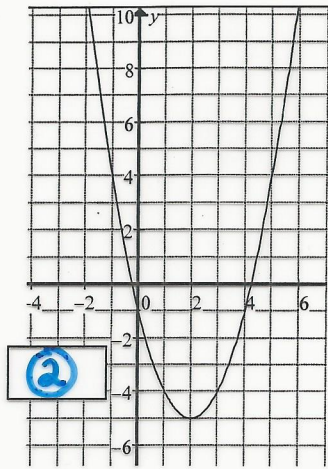
✓1.  $y = 2(x-1)^2 - 3$



✓2.  $y = (x-2)^2 - 5$



✓3.  $y = x^2 + 3$

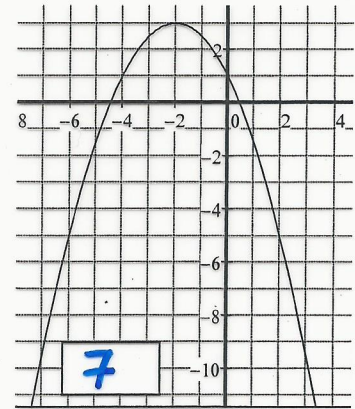
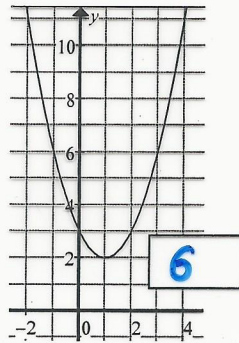
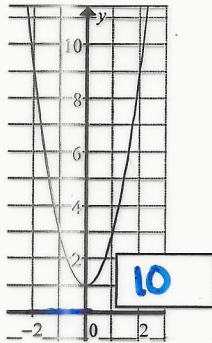


✓4.  $y = -2(x+1)^2 + 3$

5.  $y = -\frac{1}{4}(x-2)^2 + 3$

✓6.  $y = (x-1)^2 + 2$

✓7.  $y = -\frac{1}{2}(x+2)^2 + 3$



✓8.  $y = 2 - x^2$

✓9.  $y = x^2 - 4$

✓10.  $y = 2x^2 + 1$

✓11.  $y = (x-2)^2$

✓12.  $y = 3(x-2)^2 - 5$

✓13.  $y = -2(x-2)^2 + 5$

