

For each question, list the transformations and create the necessary table of values. Then, graph the final result on the provided graph paper.

1. $y = 2(x - 3)^2 + 6$

2. $y = -3(x + 5)^2 - 3$

3. $y = \frac{1}{2}(x - 8)^2 - 10$

4. $y = -\frac{2}{3}(x + 9)^2 + 8$

5. $y = -4x^2 - 5$

6. $y = \frac{3}{5}(x - 7)^2$

7. $y = \frac{3}{2}(x - 12)^2 - 15$

8. $y = 2x^2 + 20x + 42$ (First put it in vertex form)



