

Homework: Transformations of Functions - Key

In Problems 1-10, describe the transformation from the basic graph $f(x)$ to $g(x)$.

1. Down 2	2. Up 3
3. Right 1	4. Left 5
5. Reflects across x-axis	6. Reflects across y-axis
7. Up 5, Right 3	8. Reflects across x-axis, Left 1
9. Reflects across x-axis, Up 4	10. Up 1, Left 4

In Problems 11-36, describe the transformation from the basic graph

11. Up 5	12. Reflects across x-axis, Down 7
13. Left 3	14. Reflects across x-axis, Up 3
15. Reflects across x-axis, Up 2, Right 7	16. Reflects across x-axis, Down 2
17. Left 5	18. Reflects across x-axis, Right 2
19. Reflects across x-axis, Down 2	20. Reflects across x-axis, Up 2, Left 4
21. Right 7	22. Reflects across x-axis, Left 1
23. Down 4, Left 2	24. Left 4
25. Up 8, Right 2	26. Reflects across x-axis, Up 2
27. Reflects across x-axis, y-axis, Right 3	28. Right 2
29. Reflects across x-axis, Left 1	30. Reflects across x-axis, y-axis, Up 3
31. Right 2	32. Reflects across x-axis, Left 3
33. Down 2, Left 5	34. Right 1
35. Left 3	36. Up 10000