

Math 1513 - College Algebra

Discussion Board Week 12 - Due 2012.11.10

Start with the function $f(x) = x^2$, and through translations, reflections, stretching and shrinking, arrive at the function $g(x)$. Use these steps to help graph $g(x)$ as well.

1. $g(x) = 2x^2 - 12x + 22.$
2. $g(x) = 2x^2 + 12x + 22.$
3. $g(x) = -2x^2 + 12x - 14.$
4. $g(x) = -2x^2 + 12x - 22.$
5. $g(x) = -2x^2 - 12x - 22$
6. $g(x) = 2x^2 + 12x + 14$
7. $g(x) = -2x^2 - 12x - 14$
8. $g(x) = 3x^2 - 6x + 1$
9. $g(x) = -3x^2 + 6x - 5$
10. $g(x) = -3x^2 - 6x - 5$
11. $g(x) = -3x^2 - 6x - 1$
12. $g(x) = 3x^2 + 6x + 5$
13. $g(x) = 3x^2 - 6x + 5$
14. $g(x) = 3x^2 + 6x + 1$
15. $g(x) = 3x^2 + 12x + 9$
15. $g(x) = -3x^2 - 12x - 15$
16. $g(x) = -3x^2 - 12x - 9$
17. $g(x) = -3x^2 + 12x - 9$
18. $g(x) = 3x^2 - 12x + 15$
19. $g(x) = 3x^2 - 12x + 9$
20. $g(x) = 3x^2 + 12x + 15$
21. $g(x) = 4x^2 - 8x + 2$
22. $g(x) = 4x^2 - 8x - 5$
23. $g(x) = 4x^2 + 8x + 2$
24. $g(x) = -4x^2 - 8x + 3$

25. $g(x) = 4x^2 - 9x + 7$