

Math 1513 - College Algebra

Discussion Board Week 7 - Due 2016.10.02

Start with the function $f(x) = x^2$. 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. $g(x) = 3x^2 + 12x + 9$

16. $g(x) = -3x^2 - 12x - 15$

17. $g(x) = -3x^2 - 12x - 9$

18. $g(x) = -3x^2 + 12x - 9$

19. $g(x) = 3x^2 - 12x + 15$

20. $g(x) = 3x^2 - 12x + 9$

21. $g(x) = 3x^2 + 12x + 15$

22. $g(x) = 3x^2 + 12x + 8$

23. $g(x) = 3x^2 - 12x + 16$

24. $g(x) = -3x^2 + 12x - 8$

25. $g(x) = -3x^2 + 12x - 11$