

Graphing Quadratic Functions Practice Worksheet

Put the following into vertex form:

Write each function in vertex form.

19. $y = x^2 + 4x$

20. $y = 2x^2 + 8x + 3$

22. $y = -x^2 + 4x + 4$

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

25. $y = 2x^2 - 6$

26. $y = -3x^2 - x - 8$

28. $y = x^2 + 8x + 3$

29. $y = 2x^2 + 6x + 10$

Change to standard form.

31. $y = 3(x - 2)^2 - 4$

32. $y = -\frac{1}{3}(x + 6)^2 + 5$

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

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

37. $y = 4(x - 5)^2 + 1$

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