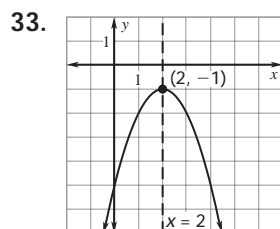
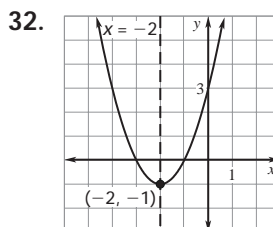
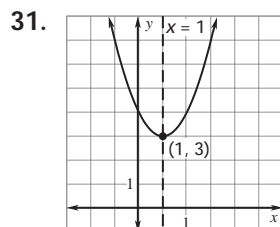


Answer Key

Practice A

- $y = 2x^2 + x - 1$; opens up
- $y = -x^2 - x + 3$; opens down
- $y = -5x^2 + 3x + 4$; opens down
- $y = x^2 - 2x + 1$; opens up
- $y = -3x^2 + 4$; opens down
- $y = 9x^2 + x$; opens up
- $y = x^2 - 5x + 3$; opens up
- $y = -3x^2 - 4x + 1$; opens down
- $y = -2x^2 + 3x + 3$; opens down
- $x = -1$ 11. $x = 1$ 12. $x = \frac{4}{3}$
- $x = -3$ 14. $x = -\frac{1}{2}$ 15. $x = 0$
- $(-1, -2)$ 17. $(2, -5)$ 18. $(-3, 17)$
- $(0, -5)$ 20. $(0, 4)$ 21. $(-1, -2)$ 22. B
- A 24. C 25. $y = 3x^2 - 12x + 13$
- $y = x^2 + 2x + 3$
- $y = -2x^2 - 12x - 19$
- $y = -2x^2 - 4x + 6$ 29. $y = x^2 - 9x + 18$
- $y = 4x^2 + 12x + 8$



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