Find the vertical and horizontal asymptotes of the graph of the function.

1. \( f(x) = \frac{4}{x - 2} + 1 \)
2. \( f(x) = \frac{2x + 2}{3x - 4} \)
3. \( f(x) = \frac{x + 1}{2x - 3} \)
4. \( f(x) = \frac{4x}{2x + 3} \)
5. \( f(x) = \frac{2x - 1}{x - 2} \)
6. \( f(x) = \frac{6x - 1}{3x + 6} \)

Graph the function. State the domain and range.

7. \( f(x) = \frac{2}{x + 3} \)
8. \( f(x) = \frac{x + 1}{x - 3} \)
9. \( f(x) = \frac{4x}{2x - 1} \)
10. \( f(x) = \frac{-3}{x + 2} \)
11. \( f(x) = \frac{3x - 2}{2x + 1} \)
12. \( f(x) = \frac{4}{3x - 2} - 1 \)

In Exercises 13–16, use the following information.

Phone Bill Your local phone company charges a $65 installation fee and a monthly fee of $32. Let \( x \) represent the number of months of phone service.

13. Write an equation that represents the total cost \( C \).
14. Write an equation that represents the average cost \( A \) per month.
15. Graph the model in Exercise 14.
16. How many months until the average cost per month is $33.25?