BECA/Huson/Precalculus: Sequences 19 September 2024

First and last name: Section:

1.12 Homework: Algebra practice

- 1. Given f(x) = 3x. Simplify f(2).
- 2. Find g(x) = 2x 7 for x = 9.

3. Given $h(x) = \frac{5x+7}{11}$. Evaluate the expression h(3).

Combine like terms

4.
$$x^2 + 2x - 6 - 2x^2 - x + 14$$

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 5. $5(a^2 - 2a + 3) - 2(2a^2 - 5a - 4)$

Solve for the value of x. Check your solution.

6.
$$3x + 6 = 12$$

7.
$$2(3x-4) = 3(x+2) + 1$$

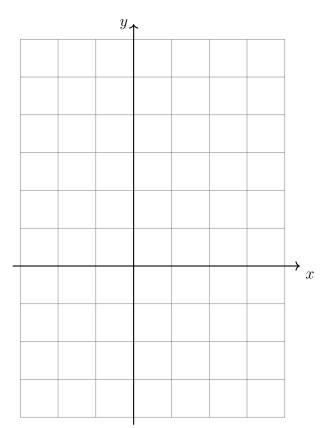
Solve for the value of x. Check your solution.

8.
$$x - 6 = \frac{1}{3}(6 - 9x)$$

9.
$$1 = \frac{1}{3}x - 10$$

10. Plot the points on the grid and draw a line through them.

What is the slope and y-intercept of the line?



| \boldsymbol{x} | f(x) |
|------------------|------|
| -1 | -3 |
| 0 | -1 |
| 1 | 1 |
| 2 | 3 |
| 3 | 5 |