

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

x	$f(x)$
-1	-3
0	-1
1	1
2	3
3	5

