

Unit 1 Day 2 HW(1)

Domain without Graphs Practice

Find the domain of the functions.

1. $f(x) = x^2 + 1$

2. $f(x) = 5$

3. $f(x) = \frac{1}{x+1}$

4. $f(x) = x^3$

5. $y(c) = \frac{2}{c^2 + 3c}$

6. $q(w) = \frac{w+4}{w^2 + 1}$

7. $t(v) = \sqrt{v^2 + 2v - 8}$

8. $f(x) = \frac{x}{\sqrt{x+3}}$

9. $h(x) = \frac{2x+4}{x^2 - 9}$

10. $k(x) = \sqrt{x + 4}$

11. $l(x) = \frac{x + 3}{\sqrt{x + 4}}$

12. $p(x) = \sqrt{x^2 + 4x - 5}$

13. $g(x) = \frac{x + 4}{x - 4}$

14. $n(x) = \sqrt{8 - 2x}$

Evaluate the Following Functions

1. $w(n) = 4n + 2$; Find $w(3n)$

2. $p(t) = 4t - 5$; Find $p(t - 2)$

3. $w(a) = a + 3$; Find $w(a + 4)$

4. $h(x) = 4x - 2$; Find $h(x + 2)$

5. $g(n) = n^3 - 5n^2$; Find $g(-4n)$

6. $f(n) = n^2 - 2n$; Find $f(n^2)$

7. $p(a) = a^3 - 5$; Find $p(x - 4)$