2-3 Domain of Functions determined from equation

Name: _____ Time› Start: _____ Finish: _____ Total Time = _____

State the domain of each function below.

1. f(x) = $\frac{x}{x-4}$ Domain = _____

2. f(x) = $x^2 - 3$ Domain = _____

3. f(x) = $\frac{x^2-8}{x+5}$ Domain = _____

4. f(x) = $\sqrt{x+9}$ Domain = _____

5. f(x) = $\sqrt{x-3}$ Domain = _____

6. f(x) = 5x – 5 Domain = _____

7. f(x) = $\sqrt{x-82}$ Domain = _____

8. f(x) = $\sqrt{5x-11}$ Domain = _____

9. f(x) = $\frac{4+x}{x}$ Domain = _____

10. f(x) = 8x – 2 Domain = _____

11. f(x) = $\frac{x^2-2}{2x+9}$ Domain = _____

12. f(x) = $\sqrt{x}$ Domain = _____

13. f(x) = $\sqrt{x-3}$ Domain = _____

14. $f(x) = x^2 - 5$ Domain = _____

15. $f(x) = \sqrt{x+8}$ Domain = _____

16. $f(x) = \sqrt{2x-1}$ Domain = _____

17. $f(x) = \frac{x-2}{x+7}$ Domain = _____

18. $f(x) = \frac{x-9}{x^2+4x+3}$ Domain = _____

19. $f(x) = 3\,|\,x - 4\,|$ Domain = _____

20. $f(x) = \frac{x-9}{\sqrt{2x-8}}$ Domain = _____

21. $f(x) = -10\,|\,x + 2\,|$ Domain = _____

22. $f(x) = 2\sqrt[5]{3x-5}$ Domain = _____

23. $f(x) = \sqrt[4]{3x-5}$ Domain = _____

24. $f(x) = \sqrt[81]{x-5}$ Domain = _____