Name: _____ Date: _____ Class: _____

Domain and Range

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Find the domain and range for each relation or function.

1. $f(x) = 3x + 2$ Domain: _____ Range: _____	2. $f(x) = x + 8$ Domain: _____ Range: _____
3. $f(x) = x^2 - 4$ Domain: _____ Range: _____	4. $f(x) = -x^2 + 9$ Domain: _____ Range: _____
5. $f(x) = \frac{1}{x}$ Domain: _____ Range: _____	6. $f(x) = 4x - 1$ Domain: _____ Range: _____
7. $f(x) = \sqrt{x}$ Domain: _____ Range: _____	8. $f(x) = \sqrt{x + 5}$ Domain: _____ Range: _____
9. $f(x) = \lvert x \rvert$ Domain: _____ Range: _____	10. $f(x) = 3 - \lvert x \rvert$ Domain: _____ Range: _____
11. $f(x) = -2x + 7$ Domain: _____ Range: _____	12. $f(x) = (x - 2)^2$ Domain: _____ Range: _____
13. $f(x) = 5 - x^2$ Domain: _____ Range: _____	14. $f(x) = \frac{7}{x+1}$ Domain: _____ Range: _____
15. $f(x) = \frac{x+6}{x-3}$ Domain: _____ Range: _____	16. $f(x) = \sqrt{x^2 + 4}$ Domain: _____ Range: _____
17. $f(x) = 2\sqrt{x - 1}$ Domain: _____ Range: _____	18. $f(x) = x^3$ Domain: _____ Range: _____
19. $f(x) = -3\lvert x + 2 \rvert$ Domain: _____ Range: _____	20. $f(x) = \lvert x - 5 \rvert - 2$ Domain: _____ Range: _____
21. $f(x) = \frac{x^2 + 1}{x + 4}$ Domain: _____ Range: _____	22. $f(x) = \sqrt{4 - x}$ Domain: _____ Range: _____
23. $f(x) = \sqrt{x + 9} + 5$ Domain: _____ Range: _____	24. $f(x) = (x + 7)^2 - 3$ Domain: _____ Range: _____
25. $f(x) = \lvert 2x - 3 \rvert + 1$ Domain: _____ Range: _____	26. $f(x) = \frac{\sqrt{x+1}}{x-5}$ Domain: _____ Range: _____