

PreCalc

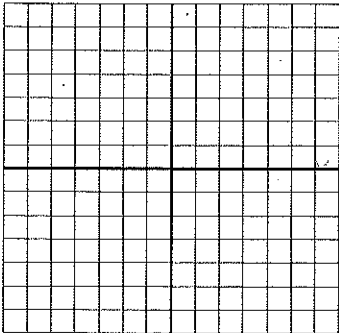
2.1 Transformations of Parent Graphs

Name: _____

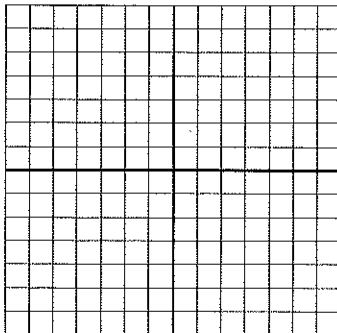
Date: _____

Directions: Graph each equation in the given coordinate plane.

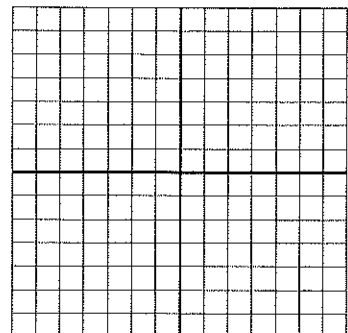
1. $y = (x + 1)^2 - 1$



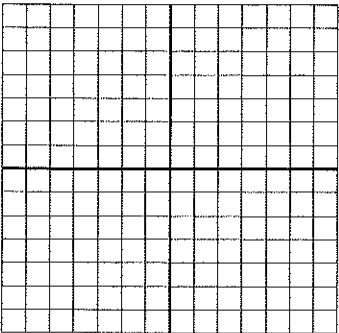
2. $y = -\sqrt{x - 2}$



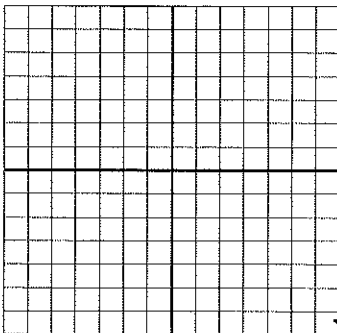
3. $y = x^3 - 3$



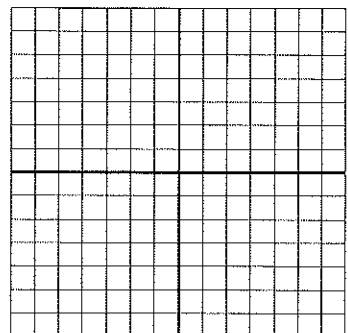
4. $y = |x + 2|$



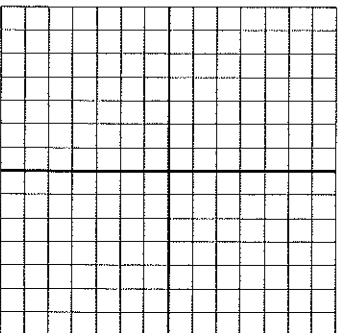
5. $y = \frac{1}{x - 3} + 1$



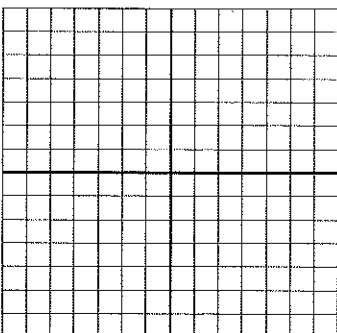
6. $y = -(x + 3)^2 + 4$



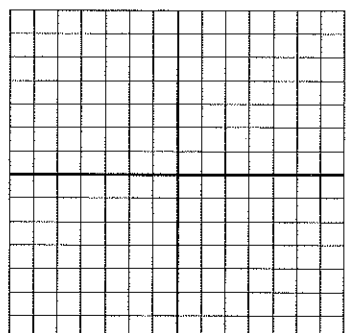
7. $y = -|x| + 3$



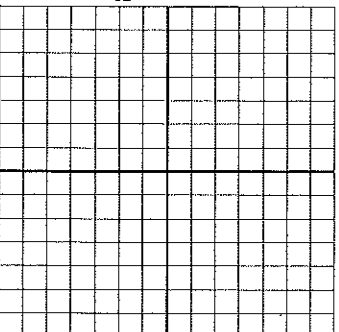
8. $y = 2(x - 2)^3 - 4$



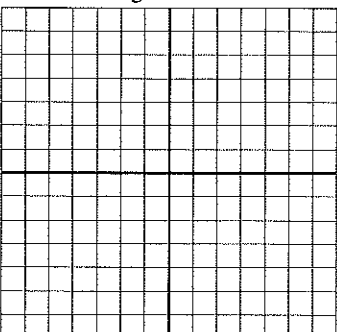
9. $y = \sqrt{x + 2} + 1$



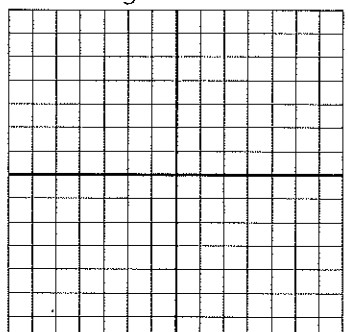
10. $y = \frac{1}{x} + 5$



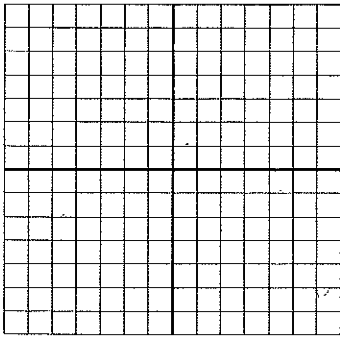
11. $y = -\frac{2}{5}(x - 3)^2$



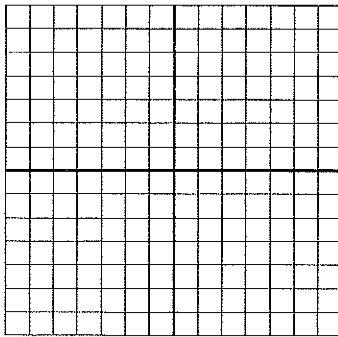
12. $y = \frac{5}{3}(x - 5)^3 - 4$



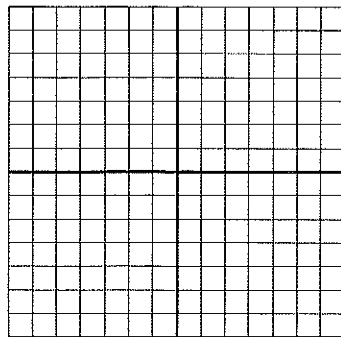
$$13. y = \frac{1}{3}x - 2$$



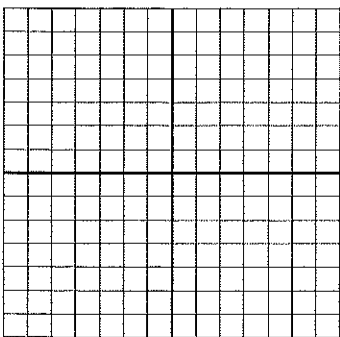
$$14. y = -(x+2)^3$$



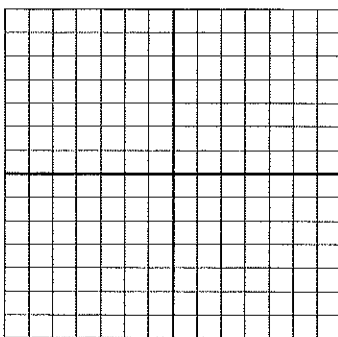
$$15. y = -\frac{1}{2}|x-3|+1$$



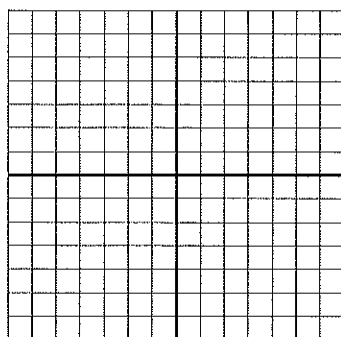
$$16. y = \frac{1}{x-1} + 3$$



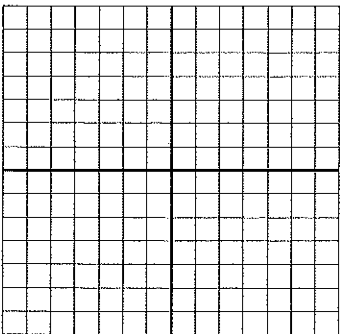
$$17. y = -\sqrt{x-1} - 4$$



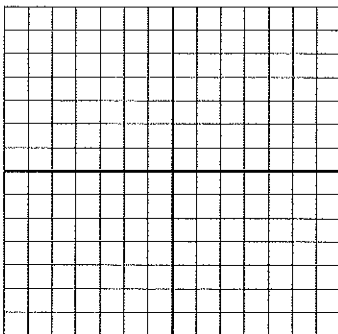
$$18. y = (x+3)^3 + 1$$



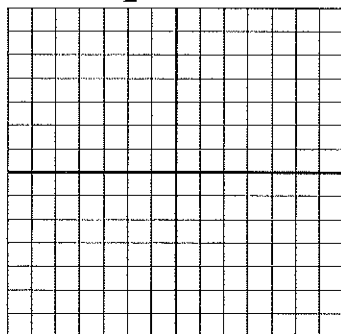
$$19. y = |x-4| + 1$$



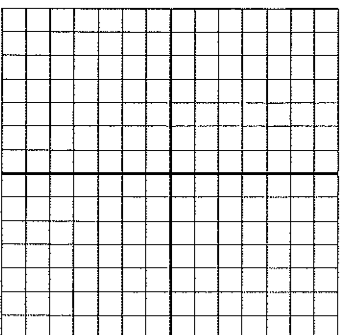
$$20. y = -2\sqrt{x+5} - 1$$



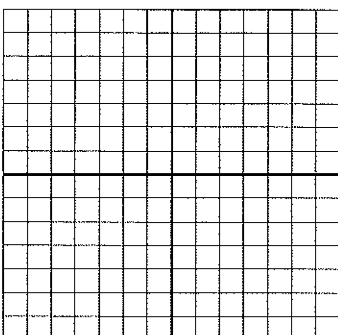
$$21. y = \frac{1}{2}x^2 - 3$$



$$22. y = \sqrt{x+1} - 1$$



$$23. y = -x^3 + 4$$



$$24. y = \frac{1}{x+2} - 3$$

