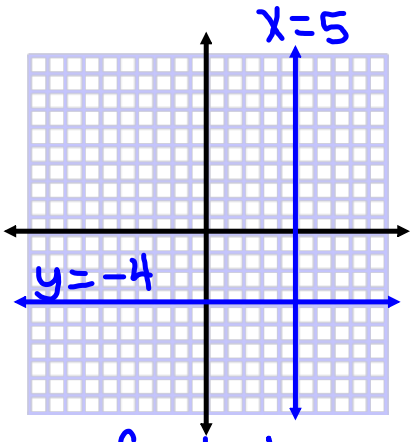
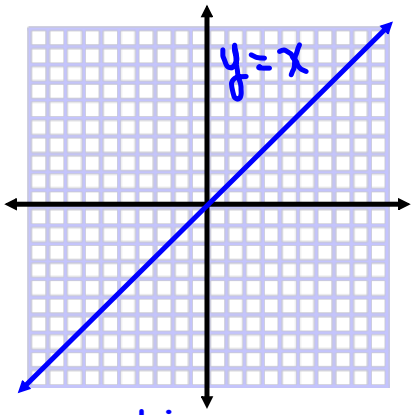
5.1

Algebra 2

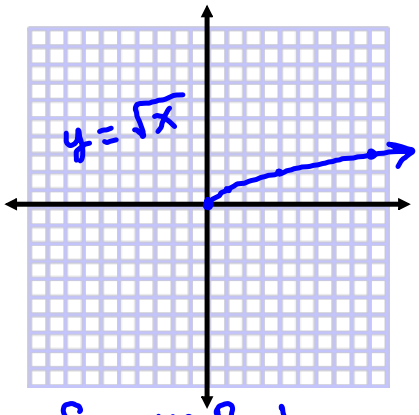
Parent Functions



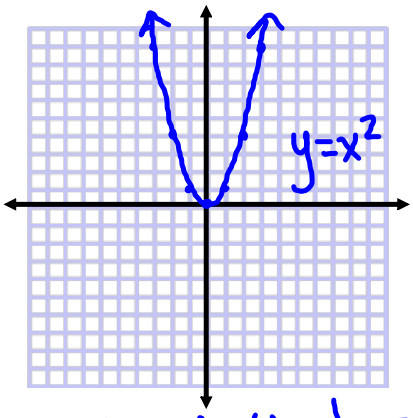
Constant



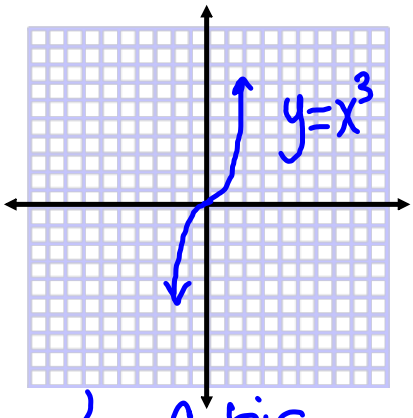
Linear



Square Root

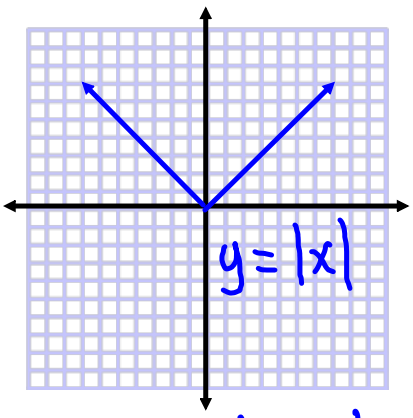


Quadratic
Parabola

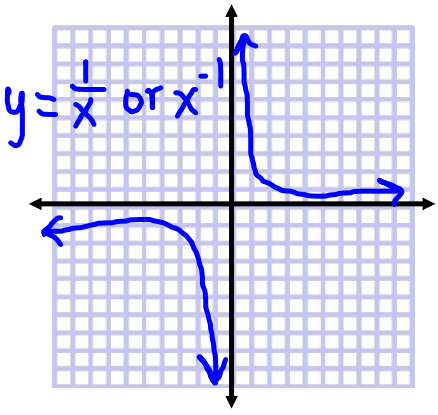


Cubic

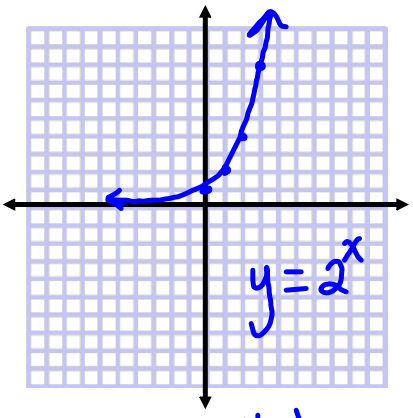
Polynomial



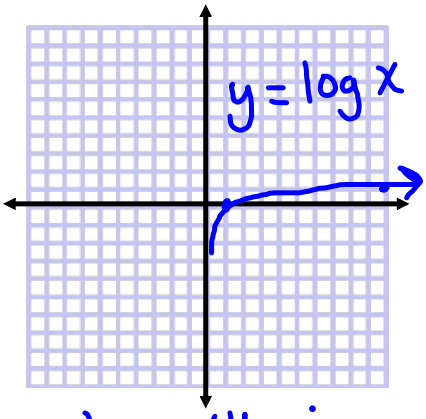
absolute value



rational



exponential

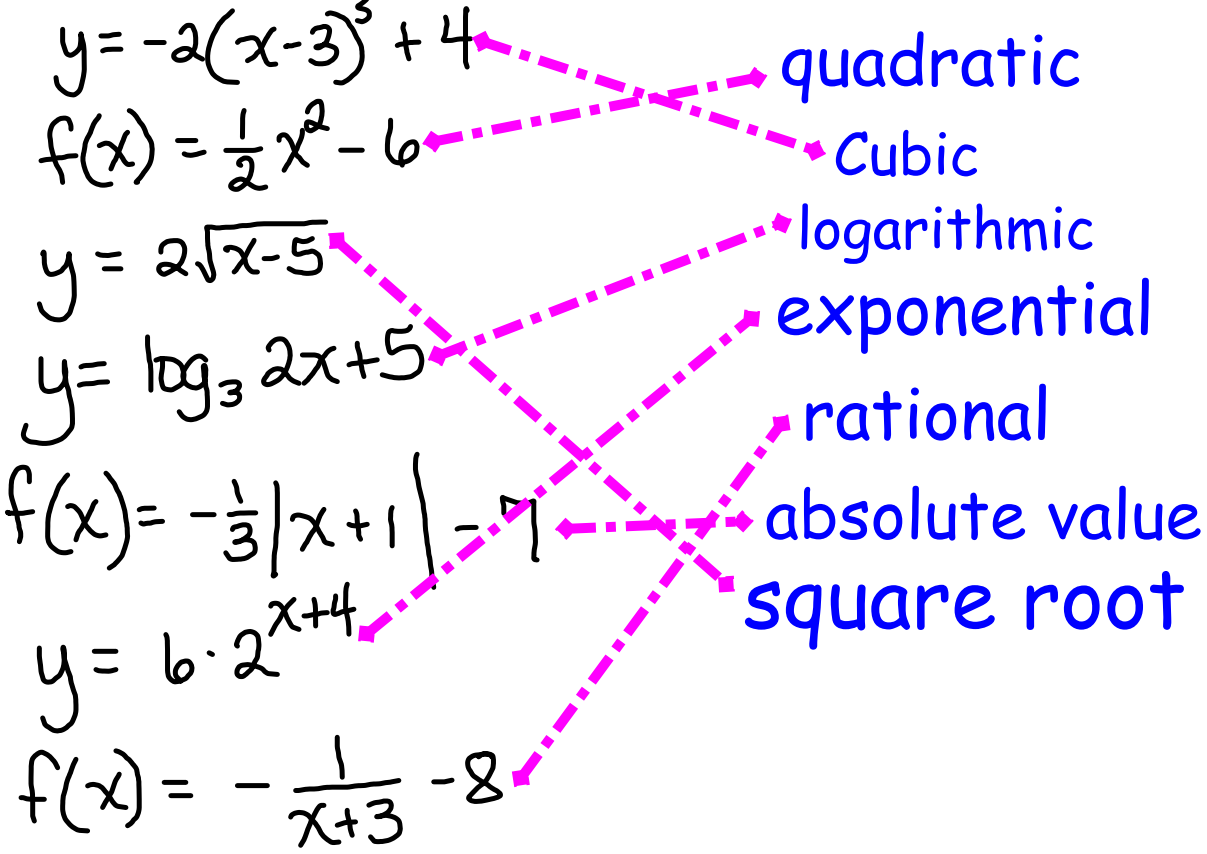


Logarithmic

Simon Says

Memory Game

Match the equation with its parent function



Homework: Worksheet

Algebra 2

5.1 Parent Functions

Name: _____ Date: _____ Hr: ___

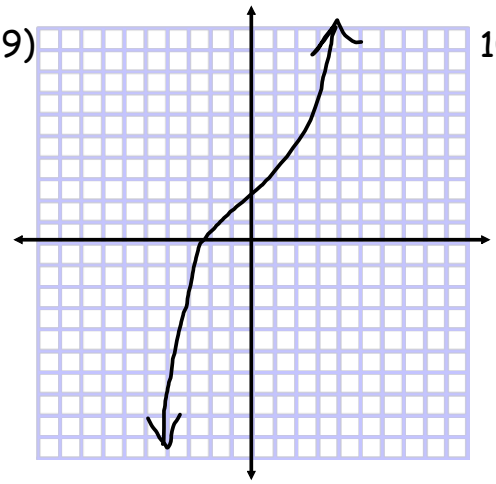
Match the equation with its parent function.

1. ___ linear
2. ___ quadratic
3. ___ cubic
4. ___ absolute value
5. ___ exponential
6. ___ logarithmic
7. ___ rational
8. ___ square root

A. $y = \log 3x + 1$
B. $f(x) = -2|x| + 3$
C. $y = \frac{1}{2}x - 4$
D. $f(x) = \frac{3}{2x} + 2$
E. $y = 2x^3 - 6$
F. $f(x) = \sqrt{x+7} - 1$
G. $y = -8 \cdot 6^x$
H. $f(x) = -x^2 + 3x - 4$

Name the parent function of each graph.

9)



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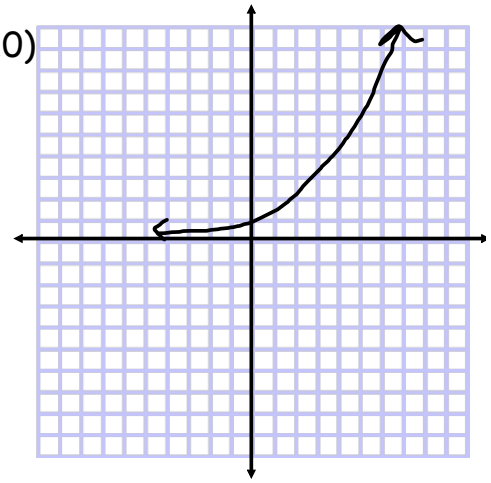
10)



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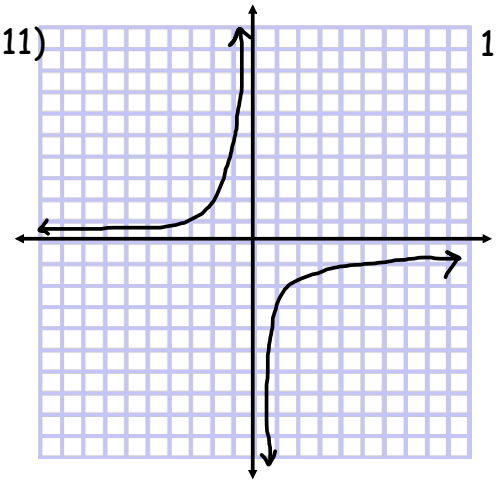
11)



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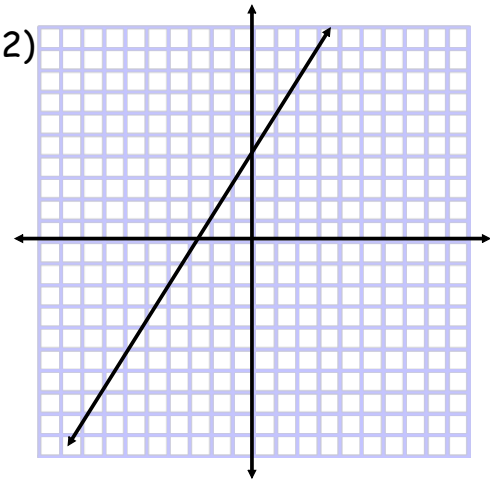
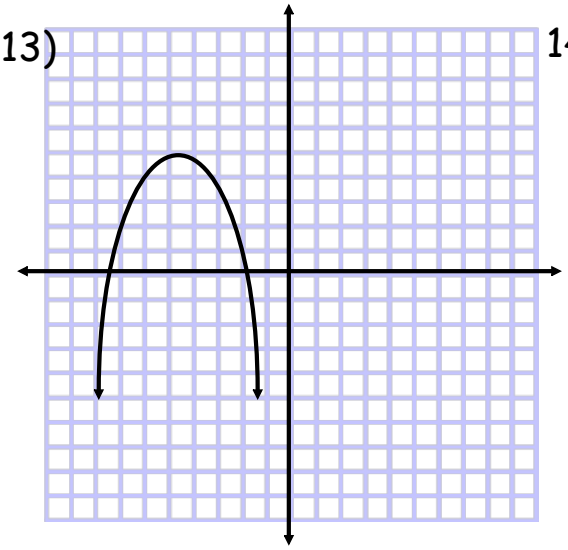
12)



_____

Name the parent function of each graph.

13)



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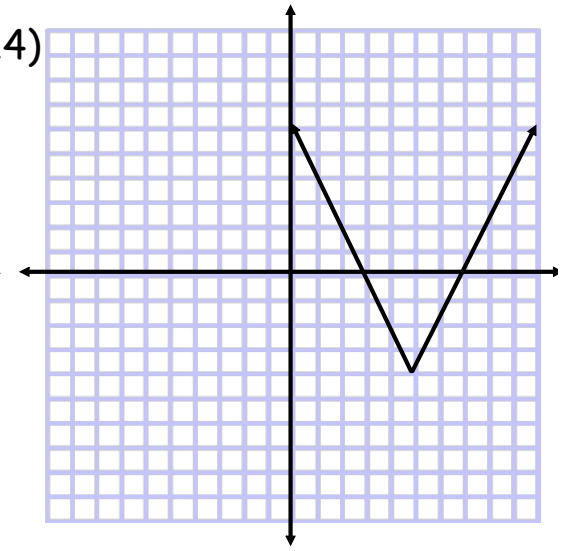

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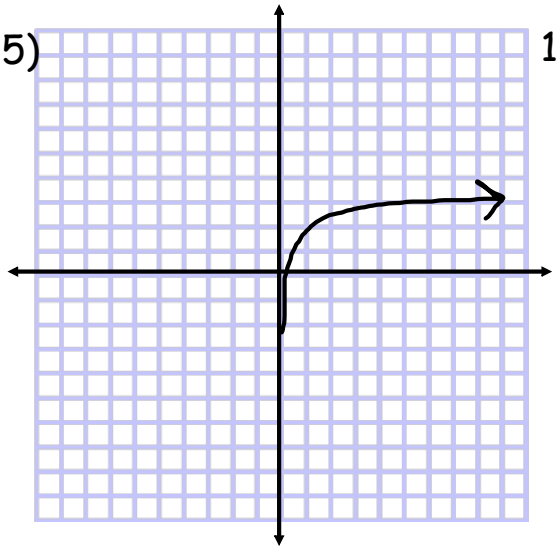

16)