

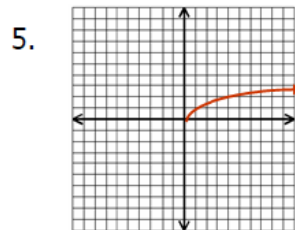
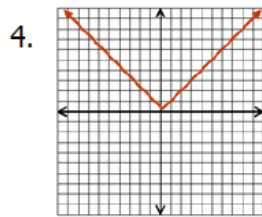
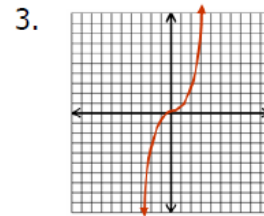
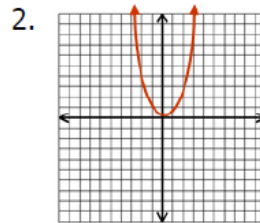
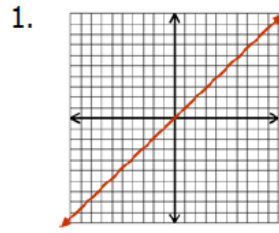
Parent Functions

Match the name & equation to the graph.

Names: A) absolute value B) cubic C) linear D) quadratic

E) radical

Equations: F) $y = x$ G) $y = x^2$ H) $y = x^3$ I) $y = |x|$ J) $y = \sqrt{x}$



Identify the parent function of the following equations:

1. $f(x) = |x + 3|$

2. $f(x) = 3x^2 - 5$

3. $f(x) = 6x^3 - 7$

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

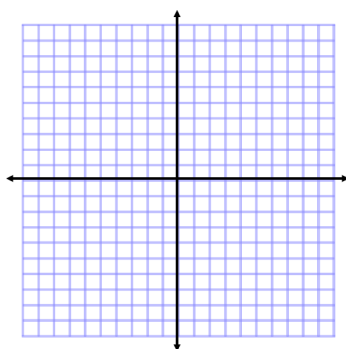
5. $f(x) = 6\sqrt{5x - 4}$

6. $f(x) = 6x - 7$

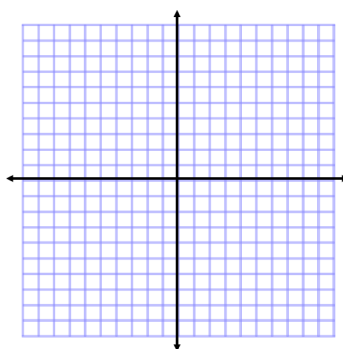
7. $f(x) = 7|6x - 5|$

Sketch the following:

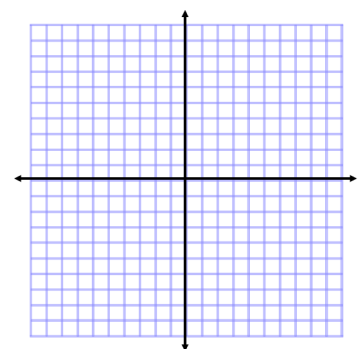
8. $f(x) = 4x^2 - 2$



9. $f(x) = |x - 4|$



10. $f(x) = 2x^3 - 1$



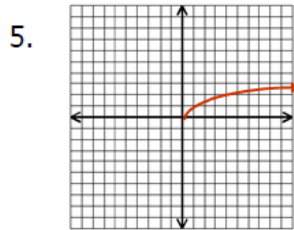
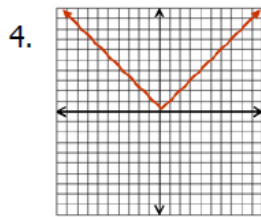
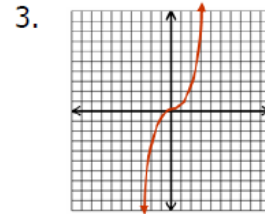
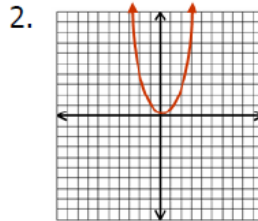
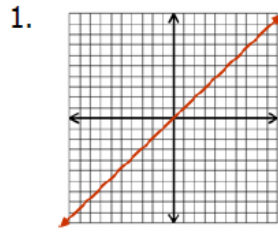
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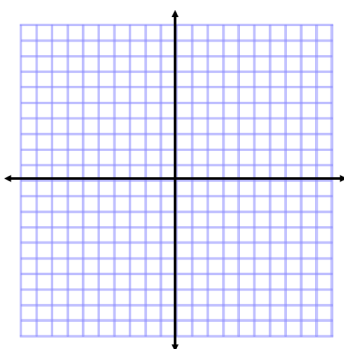
5. $f(x) = 6\sqrt{5x - 4}$

6. $f(x) = 6x - 7$

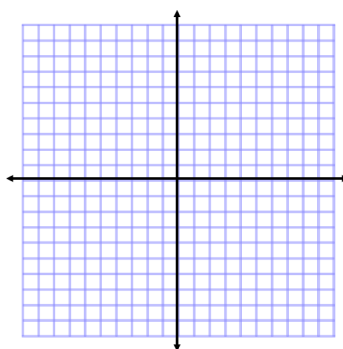
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