

Graphing Exercises

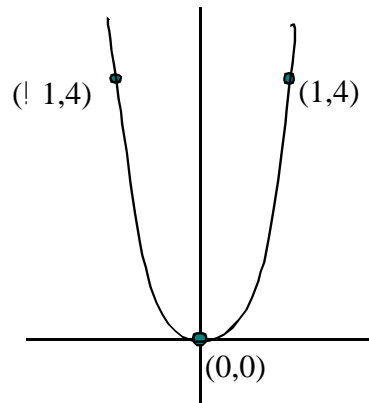
SPRING 2006

Pat Rossi

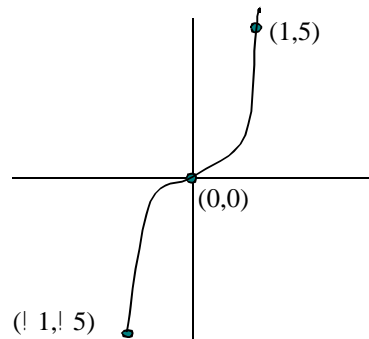
Name _____

Instructions. Sketch the graph of each of the following functions. Answers appear in the ANSWERS section.

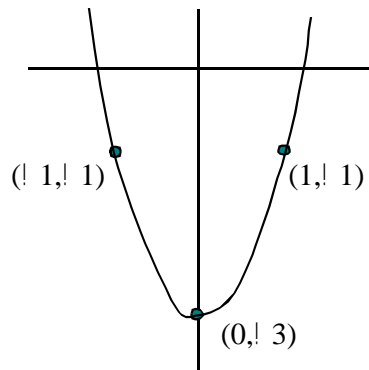
1. $f(x) = 4x^2$



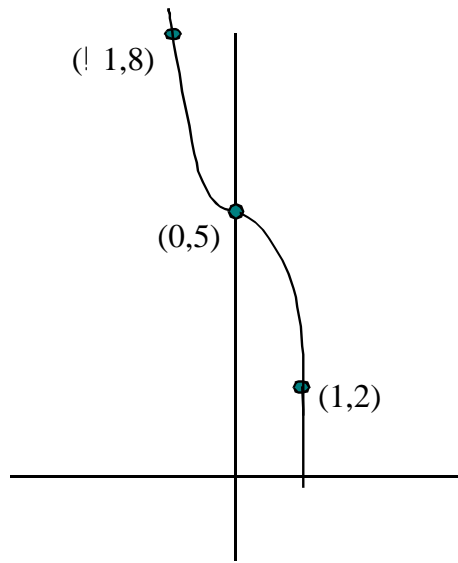
2. $f(x) = 5x^3$



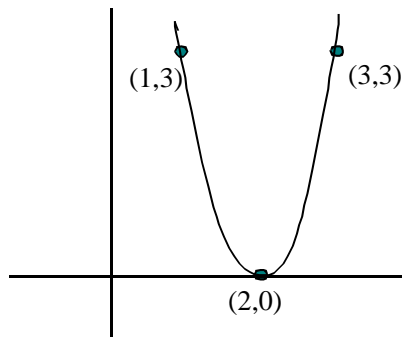
3. $f(x) = 2x^4 - 3$



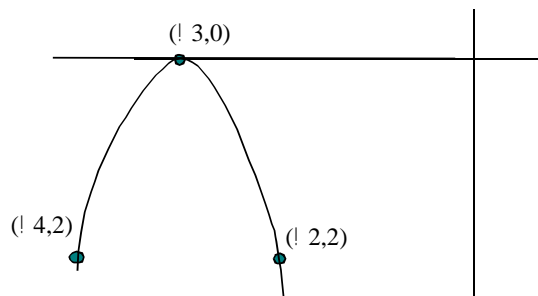
4. $f(x) = 5 - 3x^5$



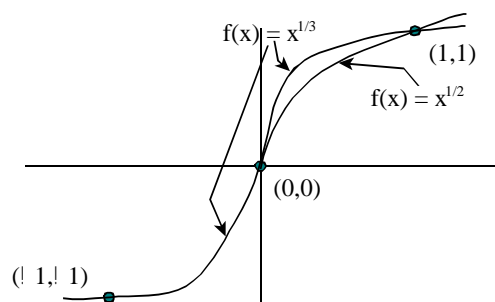
5. $f(x) = 3(x - 2)^2$



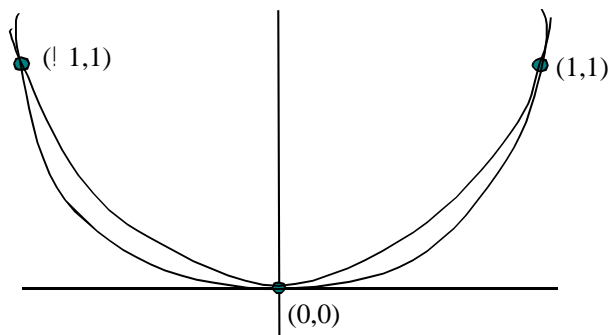
6. $f(x) = -2(x + 3)^2$



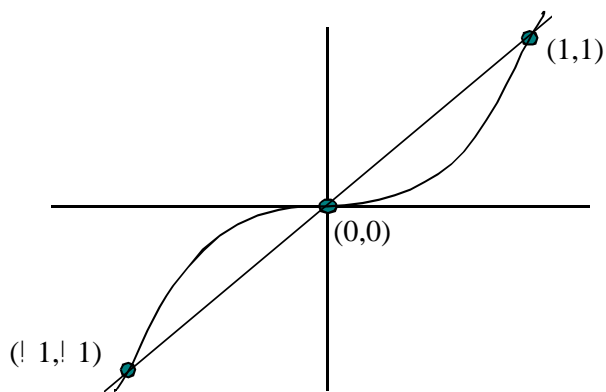
7. $f(x) = x^{\frac{1}{2}}$; $g(x) = x^{\frac{1}{3}}$ graph both functions on the same graph



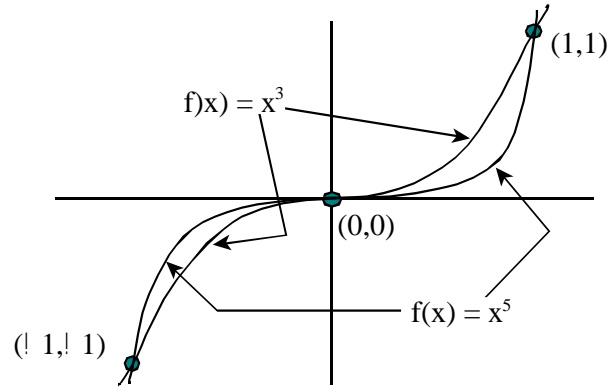
8. $f(x) = x^2$; $g(x) = x^4$ graph both functions on the same graph



9. $f(x) = x$; $g(x) = x^3$ graph both functions on the same graph



10. $f(x) = x^3$; $g(x) = x^5$ graph both functions on the same graph



11. $f(x) = x^{\frac{1}{2}}$; $g(x) = x^2$ graph both functions on the same graph

