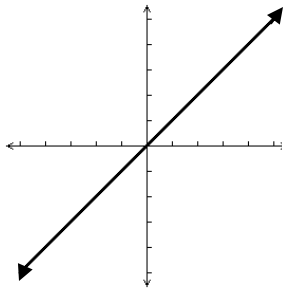


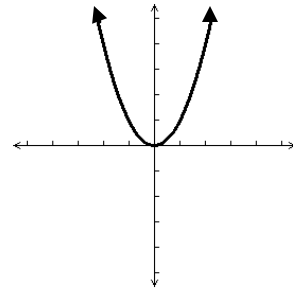
Basic Functions Worksheet

These nine functions need to be memorized. You should be able to sketch them accurately and quickly.

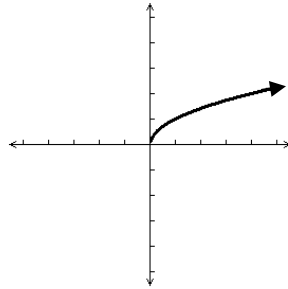
1. Identity Function $\Rightarrow y = x$



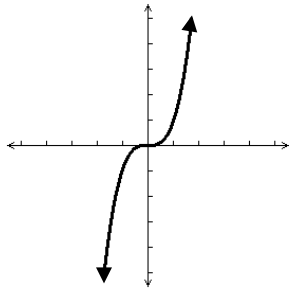
2. Squaring Function $\Rightarrow y = x^2$



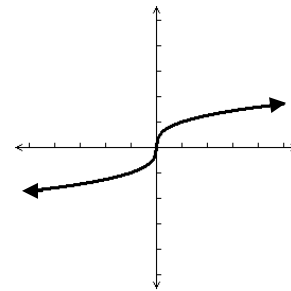
3. Square Root Function $\Rightarrow y = \sqrt{x}$



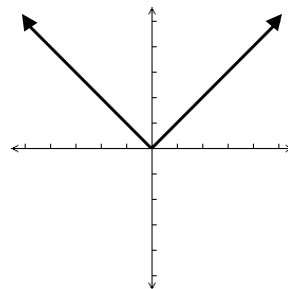
4. Cubing Function $\Rightarrow y = x^3$



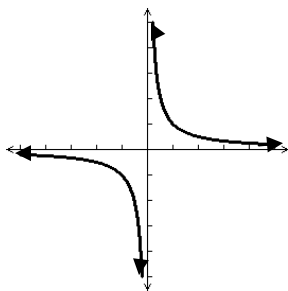
5. Cube Root Function $\Rightarrow y = \sqrt[3]{x}$



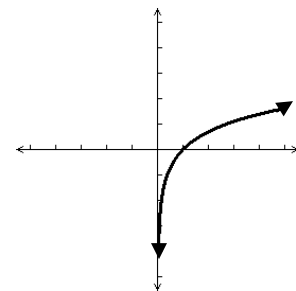
6. Absolute Value Function $\Rightarrow y = |x|$



7. Reciprocal Function $\Rightarrow y = \frac{1}{x}$



8. Logarithmic Function $\Rightarrow y = \ln x$



9. Exponential Function $\Rightarrow y = e^x$

