# Chapter 3.1: Practicing the Power Rule Calculus I 

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Take the derivative of the following functions:

1. $f(x)=6$
2. $f(x)=6 x$
3. $f(x)=6 x+60 x$
4. $f(x)=x^{6}$
5. $f(x)=x^{6}+66$
6. $f(x)=x^{-6}$
7. $f(x)=-x^{-6}$
8. $f(x)=-x^{6}$
9. $f(x)=6^{x}$
10. $f(x)=-x^{\frac{1}{6}}$
11. $f(x)=6 x^{6}$
12. $f(x)=\frac{x^{6}}{6}$
13. $f(x)=x^{3}+2 x^{-3}-3 x^{-4}$
14. $f(x)=\frac{x^{2}-4+3 x}{\sqrt{x}}$
15. $f(x)=x^{\pi}$
