

$$f(x) = x^3 + 3x^2 - 9x + 5$$

$$x \in [-6, 6]$$

$$f(x) = x^4 - 12x^3 + 48x^2 - 64x$$

$$x \in [-2, 7]$$

$$f(x) = \frac{x^2 - 2x + 4}{x - 2}$$

$$x \in [-8, 8]$$

Figure 1

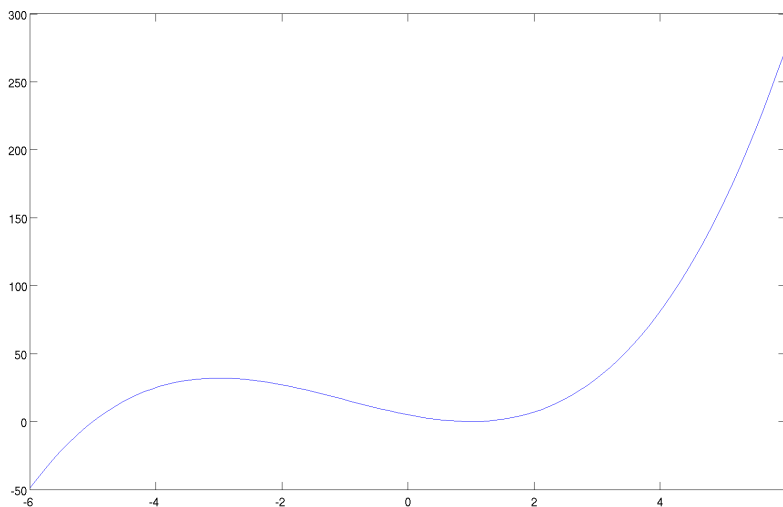


Figure 2

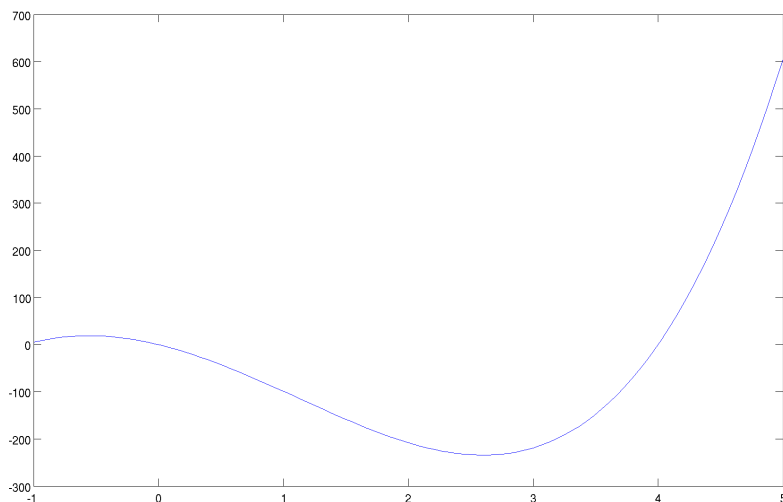
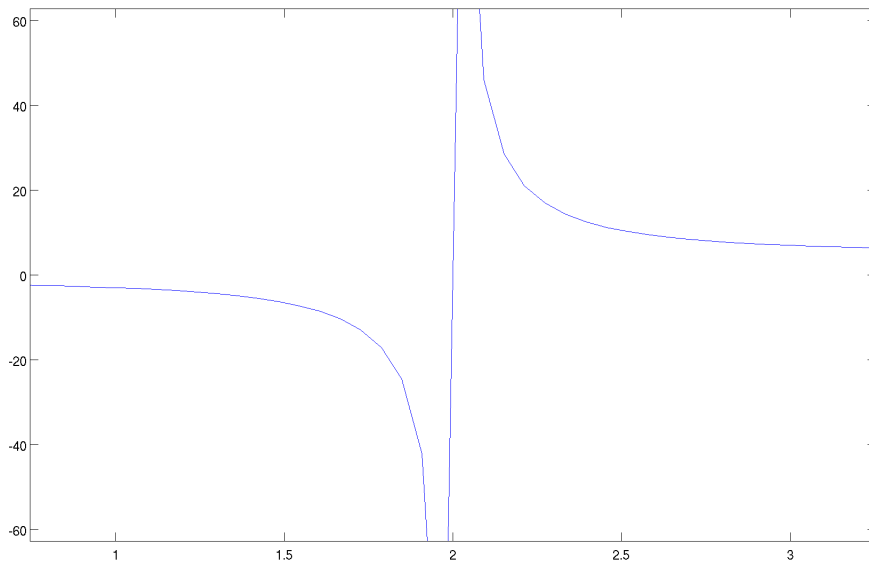


Figure 3



$$f(x) = \frac{2(x^2 - 9)}{x^2 - 4}$$

$$x \in [-8, 8]$$

$$f(x) = 2x^{5/3} - 5x^{4/3}$$

$$x \in [0, 14]$$

```
s='2*(x.^2-9)/(x.^2-4)';f=inline(s);  
x=linspace(-8,8,200);plot(x,f(x))
```

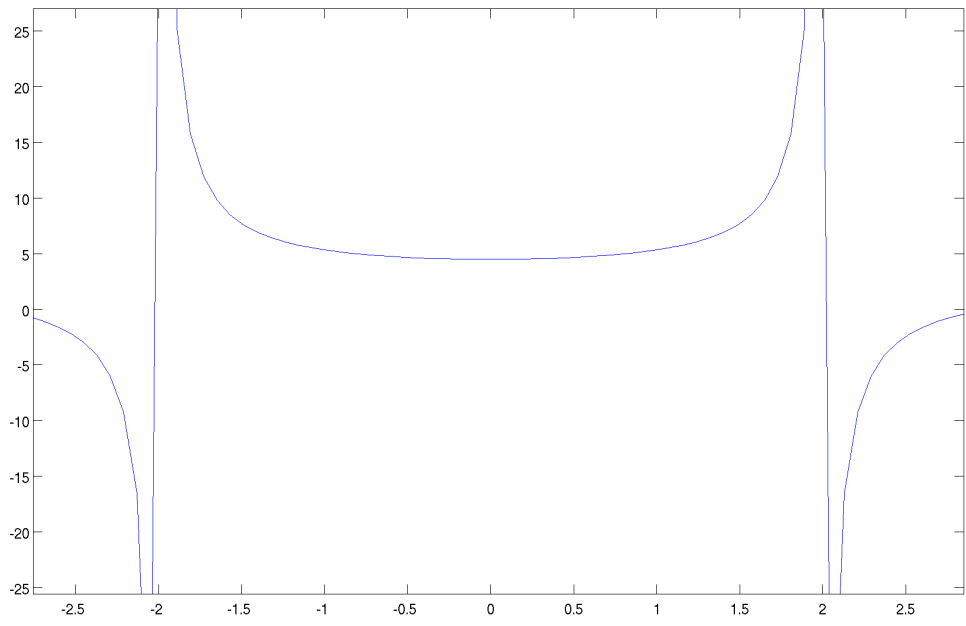


Figure 4

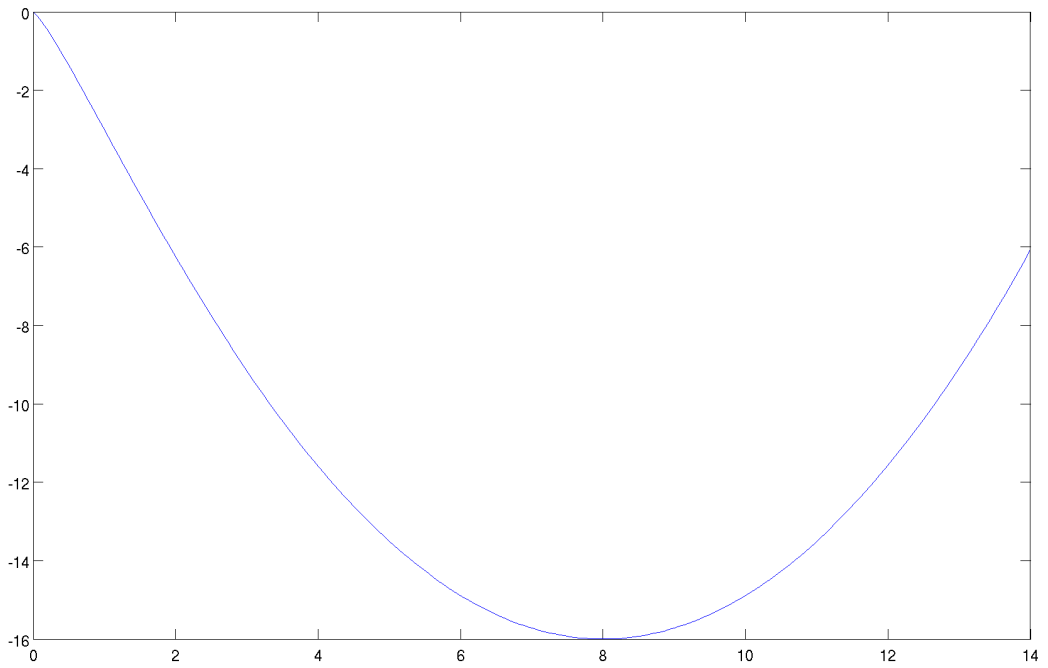


Figure 5

