



- ▶ roots at  $x = -3$ ,  $x \approx -0.4$ , and  $x = 3$
- ▶  $y$ -intercept at  $y = -1$
- ▶ local maxima at  $x = -2$  and  $x = 3$
- ▶ global maximum at  $x = -2$
- ▶ inflection points at  $x = -1$  and  $x = 2$
- ▶ positive on  $(-3, -0.4)$
- ▶ increasing on  $(-\infty, -2)$  and  $(1, 3)$
- ▶ concave up on  $(-1, 2)$