

\* Compare  $(-x)^2$  vs.  $-x^2$

evaluate for  $x = -3$

$$\begin{aligned} & (-x)^2 \\ & \quad \uparrow \\ & \quad -3 \\ & (-(-3))^2 \\ & (3)^2 \\ & \boxed{9} \end{aligned}$$

$$\begin{aligned} & -(x)^2 \\ & \quad \uparrow \\ & \quad -3 \\ & -(-3)^2 \\ & -(9) \\ & \boxed{-9} \end{aligned}$$