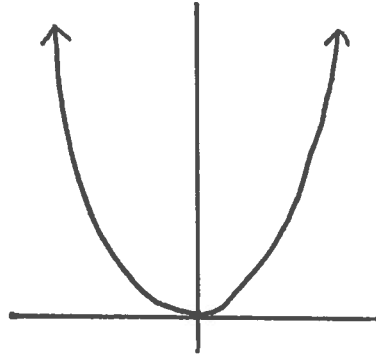
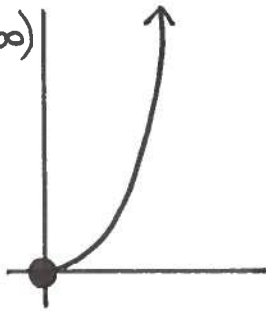


§ Inverse Functions

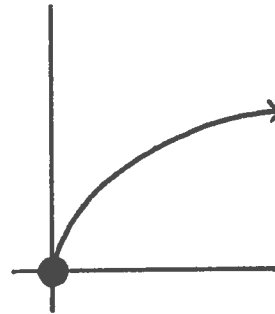
$f: \mathbb{R} \rightarrow \mathbb{R}$
 $f(x) = x^2$
one-to-one
Range:
onto



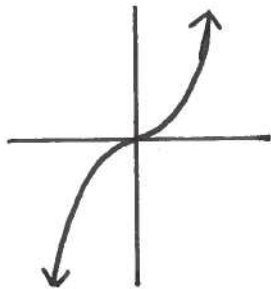
$h: [0, \infty) \rightarrow [0, \infty)$
 $h(x) = x^2$
one-to-one
Range:
onto



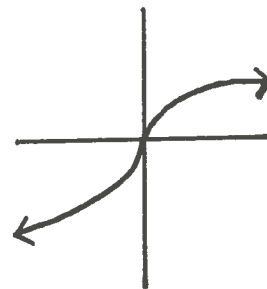
$g: [0, \infty) \rightarrow [0, \infty)$
 $g(x) = \sqrt{x}$
one-to-one
Range:
onto



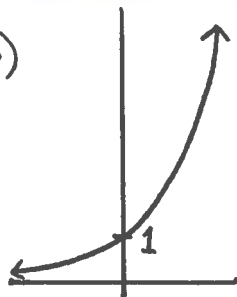
$p: \mathbb{R} \rightarrow \mathbb{R}$
 $p(x) = x^3$
one-to-one
Range:
onto



$q: \mathbb{R} \rightarrow \mathbb{R}$
 $q(x) = \sqrt[3]{x}$
one-to-one
Range:
onto



$F: \mathbb{R} \rightarrow (0, \infty)$
 $F(x) = e^x$
one-to-one
Range:
onto



$G: (0, \infty) \rightarrow \mathbb{R}$
 $G(x) = \log_e(x)$
one-to-one
Range:
onto

