

9. $f(x) = x^2 + 2, x \leq 0$

① $y = x^2 + 2$

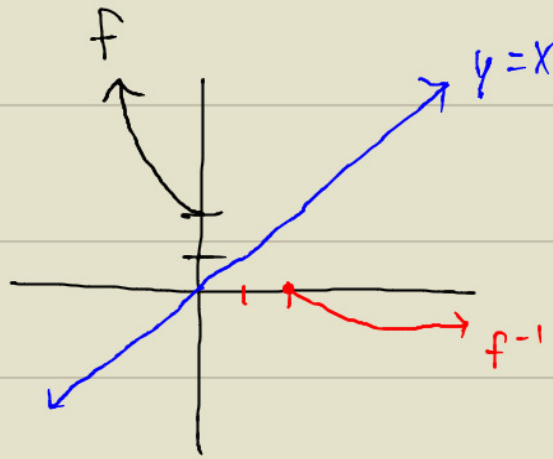
② $x = y^2 + 2$

③ $x - 2 = y^2$

$\pm\sqrt{x-2} = y$

④ $f^{-1}(x) = \pm\sqrt{x-2}$

⑤ $f^{-1}(x) = -\sqrt{x-2}$



#10

$f(x) = \sqrt{x} - 3$

① $y = \sqrt{x} - 3$

② $x = \sqrt{y} - 3$

③ $x + 3 = \sqrt{y}$

$(x+3)^2 = (\sqrt{y})^2$

$(x+3)^2 = y$

④ $f^{-1}(x) = (x+3)^2$

⑤ $f^{-1}(x) = (x+3)^2, x \geq -3$

