Find the function that is finally graphed after the following transformations are applied to the graph of $\mathrm{y}=\sqrt{\mathrm{x}}$ in the order listed.
(1) Shift down 9 units
(2) Reflect about the $x$-axis
(3) Reflect about the $y$-axis

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

Move down 9: $f(x)-9=\sqrt{x}-9$
Reflect about $x$-axis: $-(f(x)-9)=-f(x)+9=-\sqrt{x}+9$ Replace previous by - (previous)
Reflect about $y$-axis: $-f(-x)+9=-\sqrt{-x}+9$ Replace $x$ by $-x$.

