1. Given the function $f(x)=x^{2}$, write the function whose graph of $f(x)$ is:
A. shifted 6 units to the left
B. reflected about the $y$-axis
C. reflected about the x -axis
D. shifted 5 units up
E. vertically stretched by a factor of 4
F. horizontally stretched by a factor of $1 / 3$
2. Given the function $f(x)=|x|$, write the function whose graph of $\mathrm{f}(\mathrm{x})$ is:
A. shifted 5 units to the right
B. reflected about the $y$-axis
C. reflected about the x -axis
D. shifted 3 units down
E. vertically compressed by a factor of $1 / 4$
F. horizontally shrunk by a factor of 3
3. Write a function that is obtained after the following transformations are applied to $\mathrm{y}=|\mathrm{x}|$.
A. shift 2 units up, reflect about the x -axis then about the y -axis.
B. reflect over the $x$-axis, shift 3 units left and 2 units up.
4. Consider the following function $\mathrm{f}(\mathrm{x})$ :
A. $\quad \operatorname{Graph} f(x-3)$
B. Graph $\mathrm{f}(-\mathrm{x})$
C. Graph - $\mathrm{f}(\mathrm{x}$ )

