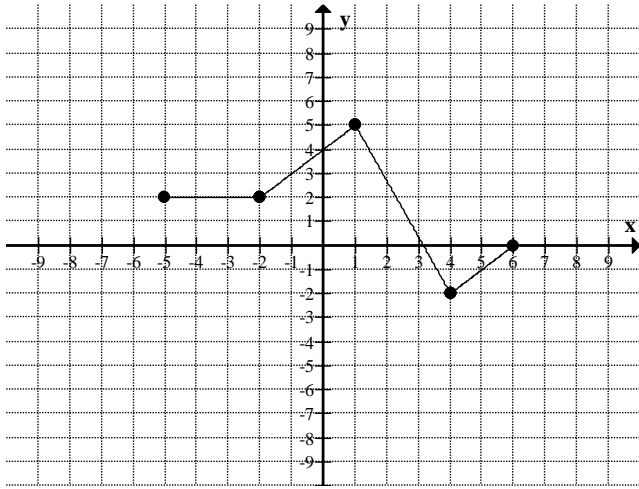


PreAP Precalculus
WS Transformations Part 1
Fall 2018

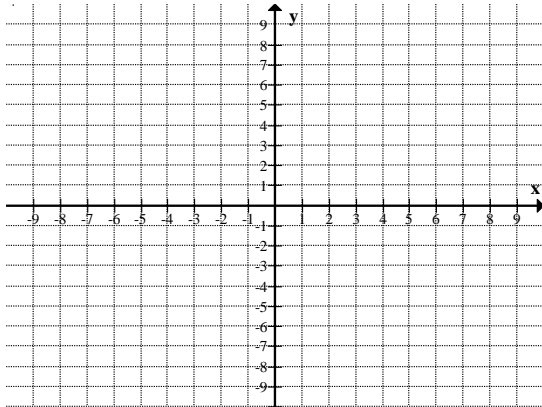
Name _____

Date _____ Per _____

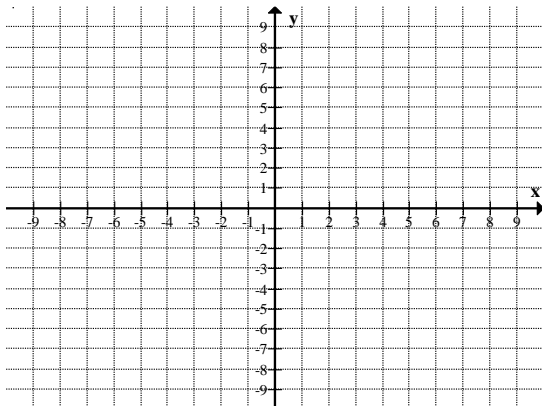


The graph of a function $f(x)$ is given above.
Graph each of the transformations given below:

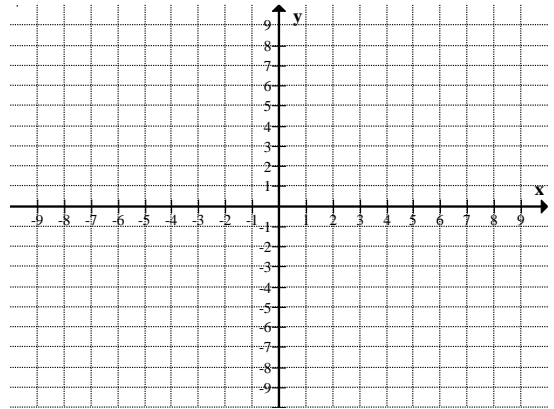
1. $f(x+3)$



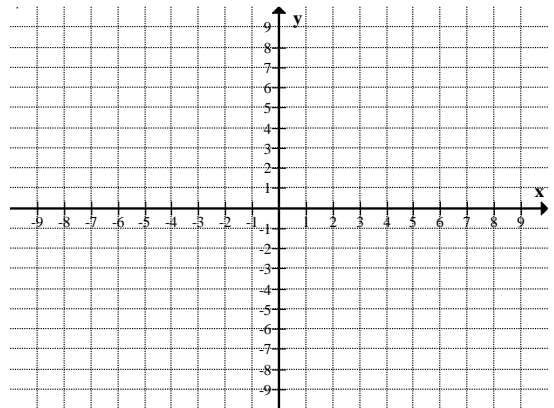
2. $f(x-2)$



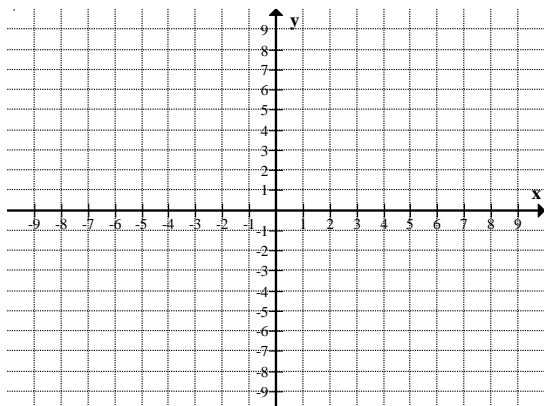
3. $2f(x)$



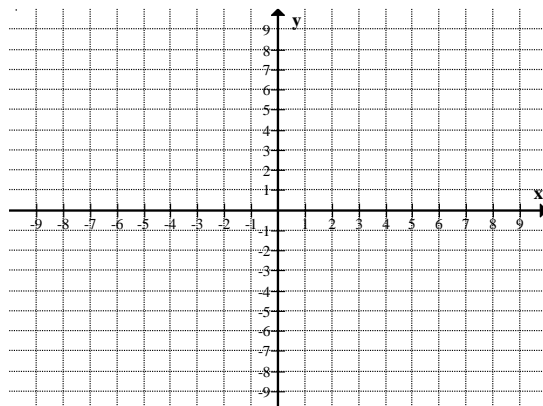
4. $-1.5f(x)$



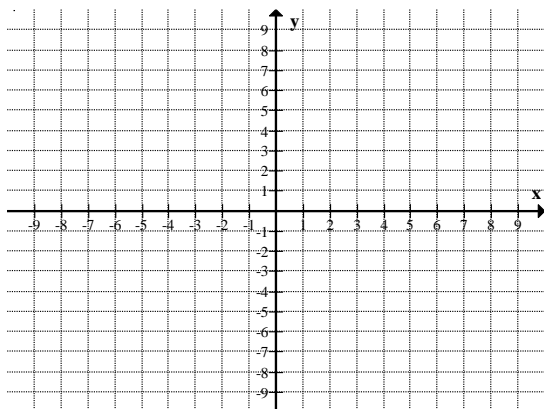
5. $f(2x)$



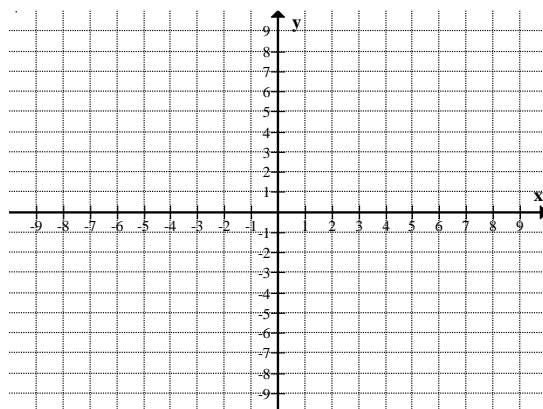
9. $-f(x+4)$



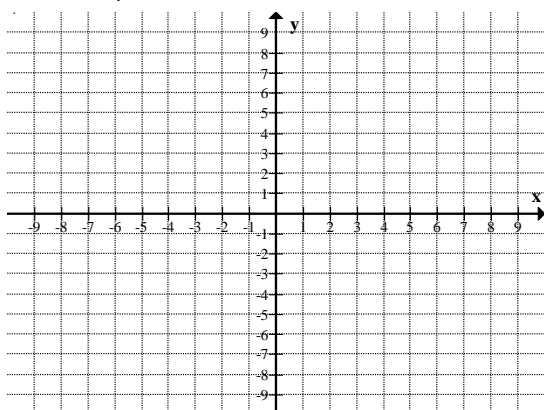
6. $f\left(-\frac{1}{2}x\right)$



10. $f(-x+1)-2$



7. $\frac{1}{4}f(x-3)+1$



11. $-\frac{3}{4}f(x-2)+3$

