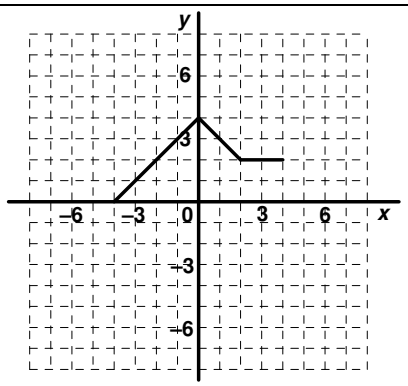
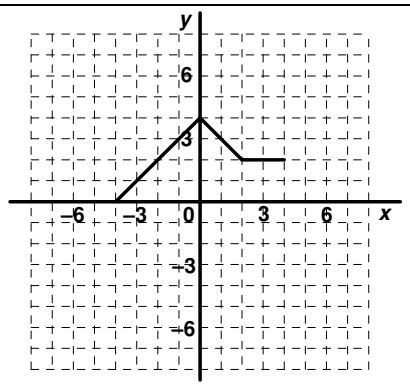
Combinations of Transformations (2)

Date:

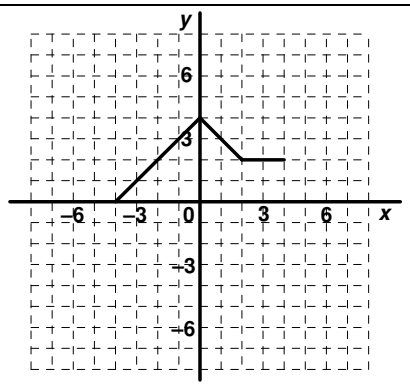
REMEMBER — Stretch and reflect FIRST, then slide LAST.



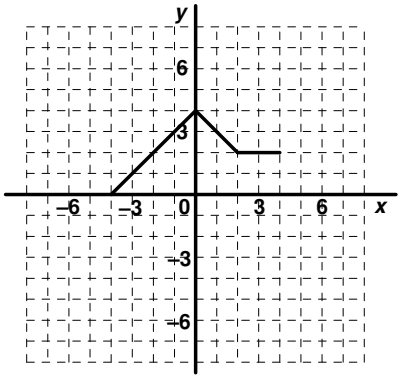
1. $y = \frac{1}{2} f(x) - 3$



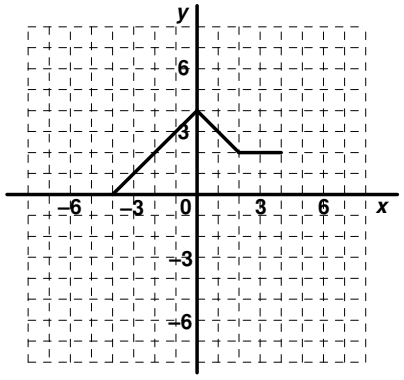
2. $y = f(2x) + 3$



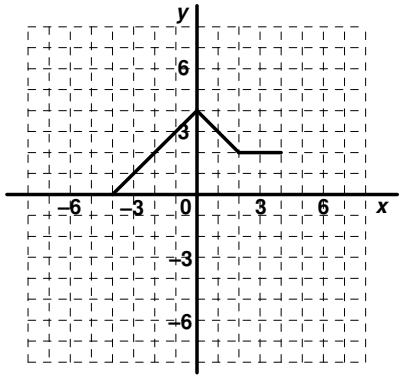
3. $y = -f(x) + 1$



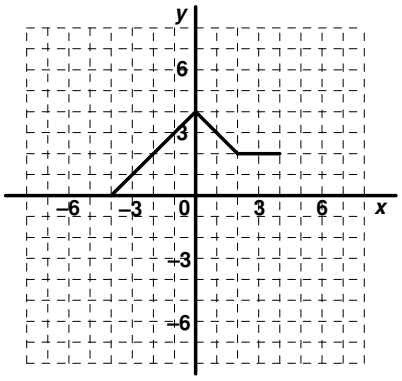
4. $y = f(-x) - 6$



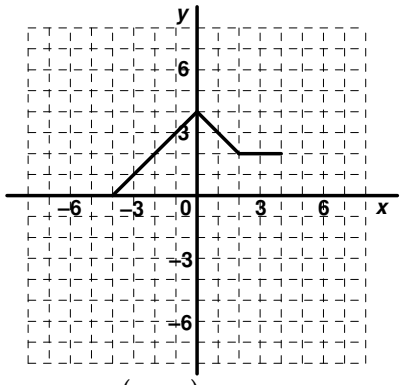
5. $y = f(x-4) + 2$



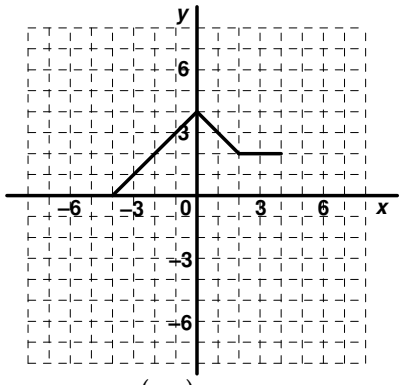
6. $y = -f(x+2) - 4$



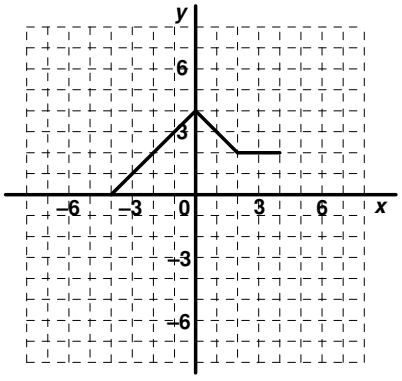
7. $y = -2f(x)$



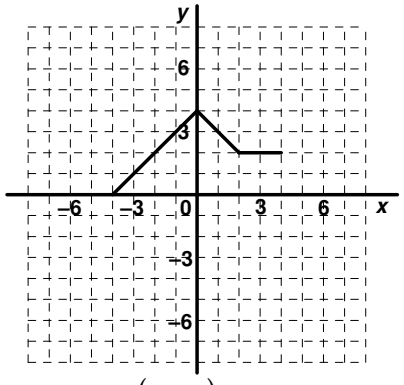
8. $y = f\left(-\frac{1}{2}x\right)$



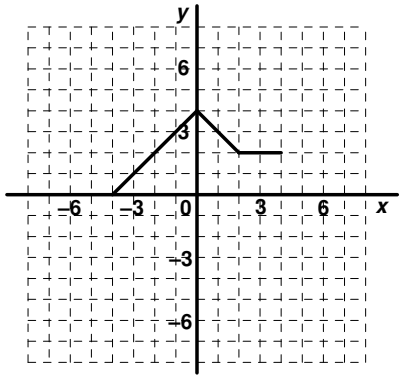
9. $y = -f\left(\frac{1}{2}x\right)$



10. $y = 2f(-x)$



11. $y = 2f\left(-\frac{1}{2}x\right)$

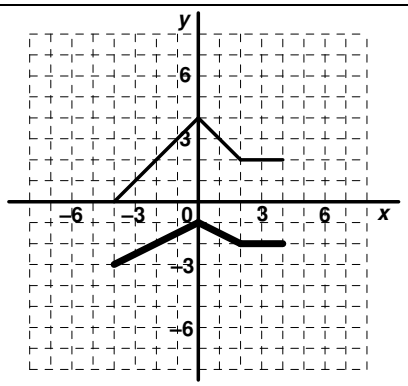


12. $y = -\frac{1}{2} f(-2x)$

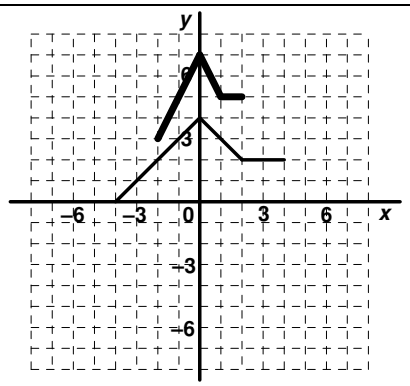
Combinations of Transformations (2)

Date:

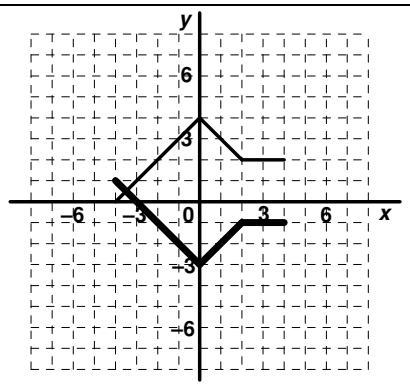
Answers:



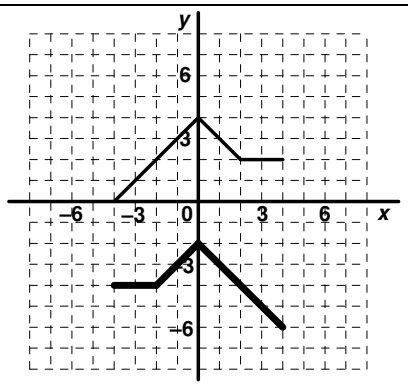
1. $y = \frac{1}{2} f(x) - 3$



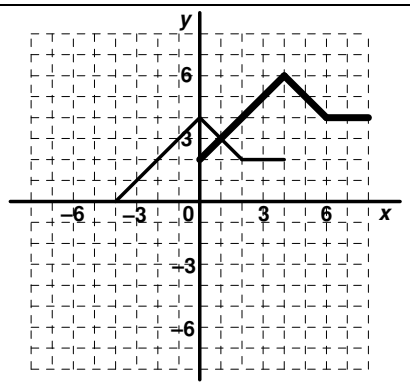
2. $y = f(2x) + 3$



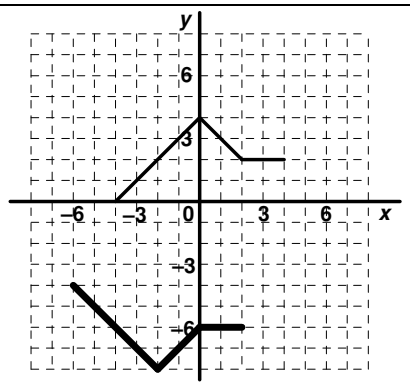
3. $y = -f(x) + 1$



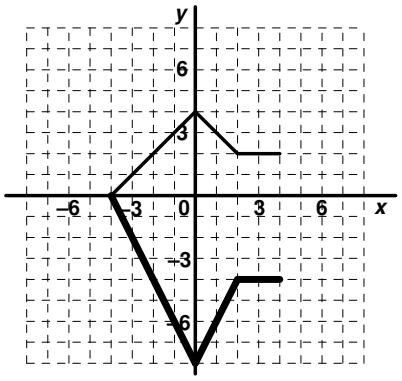
4. $y = f(-x) - 6$



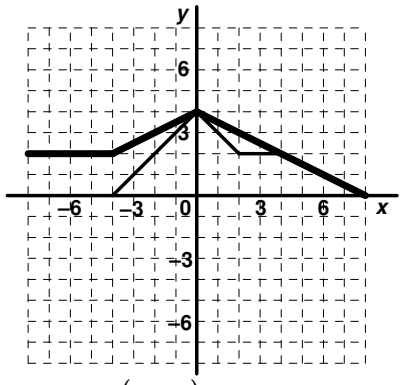
5. $y = f(x-4) + 2$



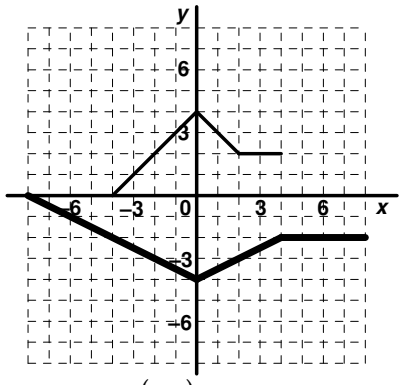
6. $y = -f(x+2) - 4$



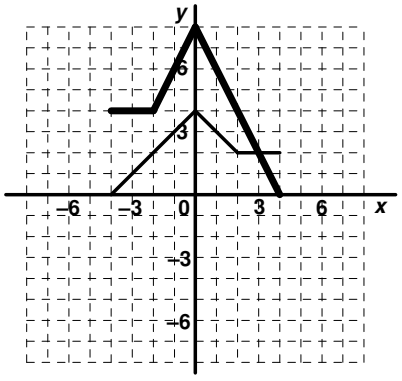
7. $y = -2f(x)$



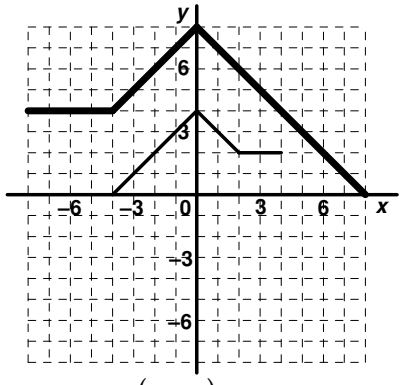
8. $y = f\left(-\frac{1}{2}x\right)$



9. $y = -f\left(\frac{1}{2}x\right)$



10. $y = 2f(-x)$



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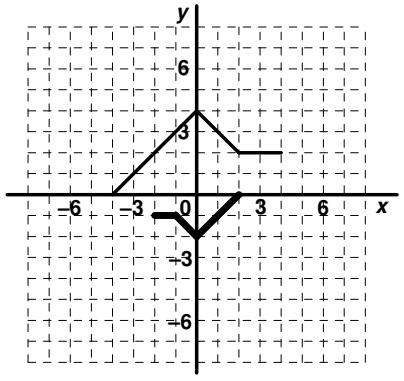

12. $y = -\frac{1}{2} f(-2x)$