

**Pre-AP Precalculus**  
**WS Transformations Part 2**  
**Fall 2018**

Name \_\_\_\_\_

Date \_\_\_\_\_ Per \_\_\_\_\_

Graph the following transformations of the given parent function:

$$f(x) = x^2$$

1.  $2f(x-1)$

2.  $\frac{1}{2}f(x)+3$

3.  $f\left(\frac{1}{2}x\right)+1$

4.  $-f(x+3)$

$$f(x) = |x|$$

5.  $-2f(x+1)$

6.  $f(x+2)-3$

7.  $f(2x)-1$

8.  $f(-x)$

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

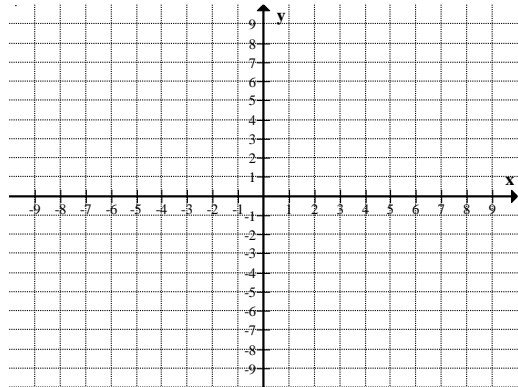
9.  $f(3-x)$

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

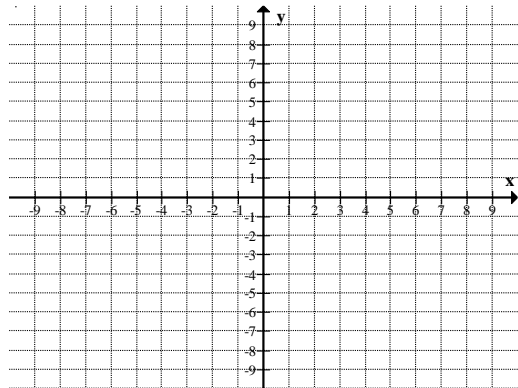
11.  $4f(x)-2$

12.  $3f\left(\frac{1}{2}x\right)$

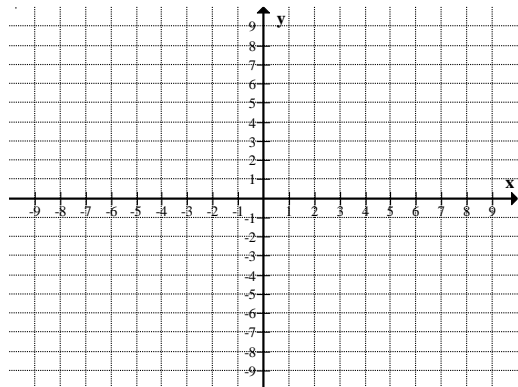
1.



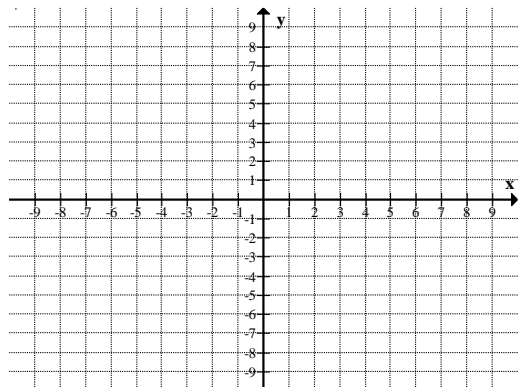
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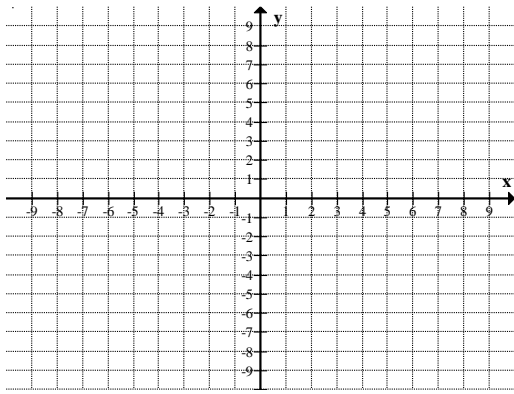
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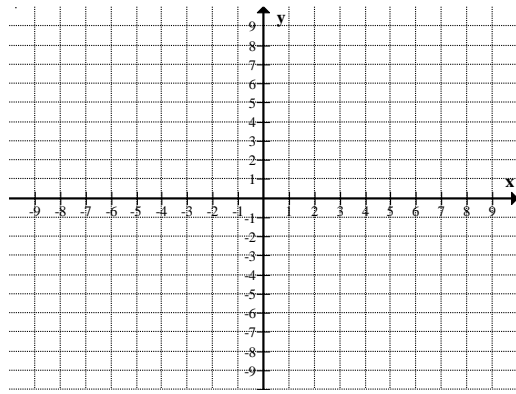
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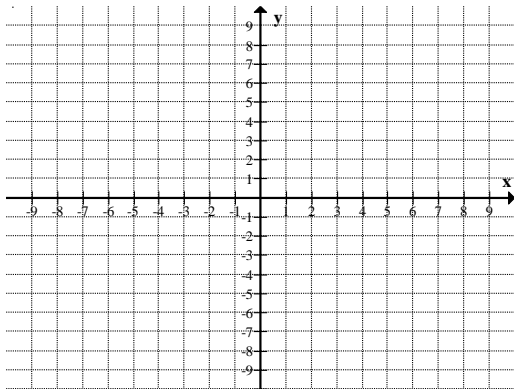
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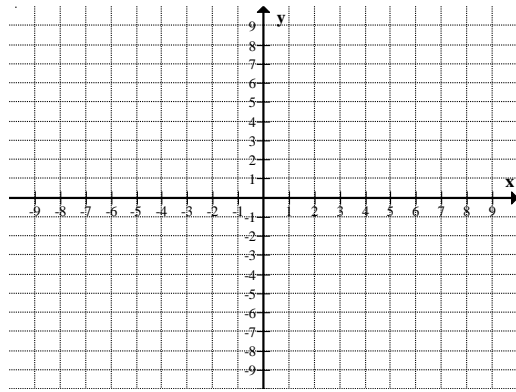
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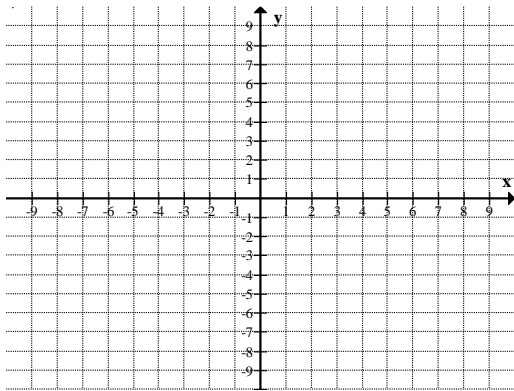
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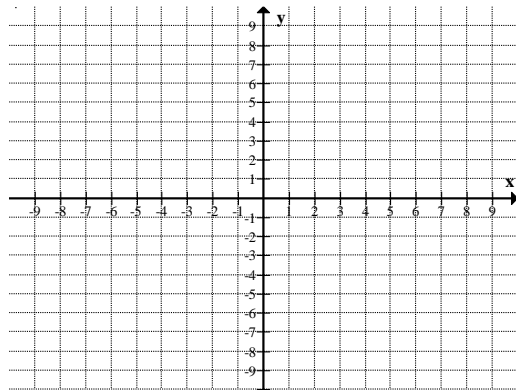
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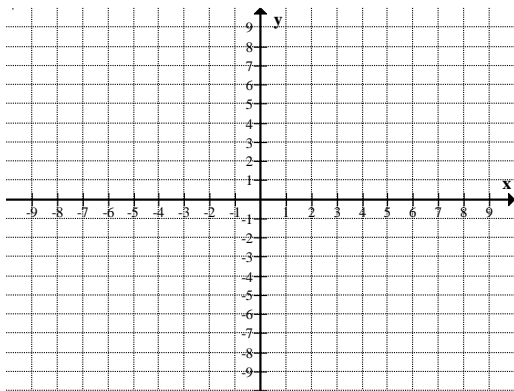
7.



11.



8.



12.

