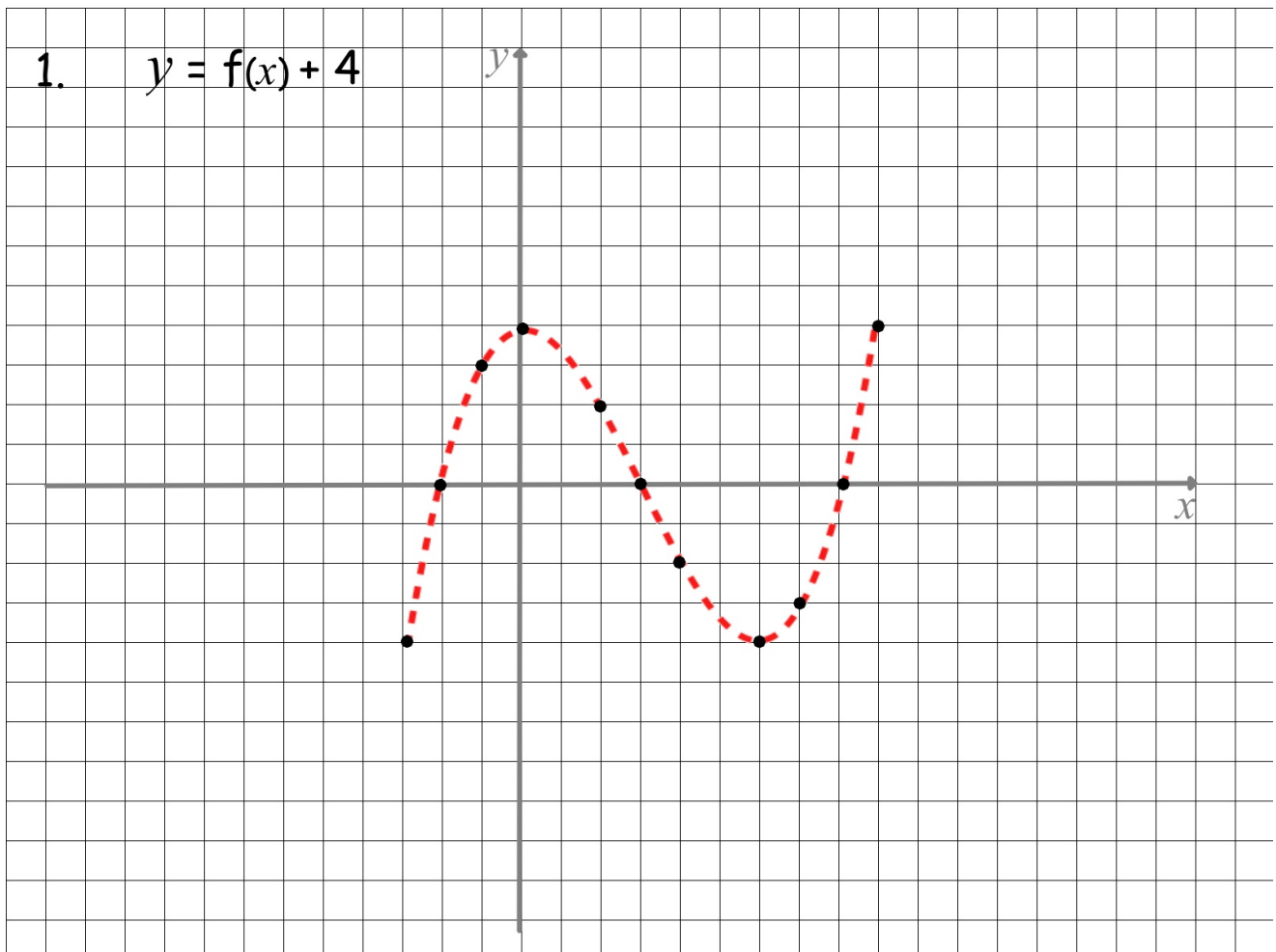


TRANSFORMING GRAPHS EXERCISE

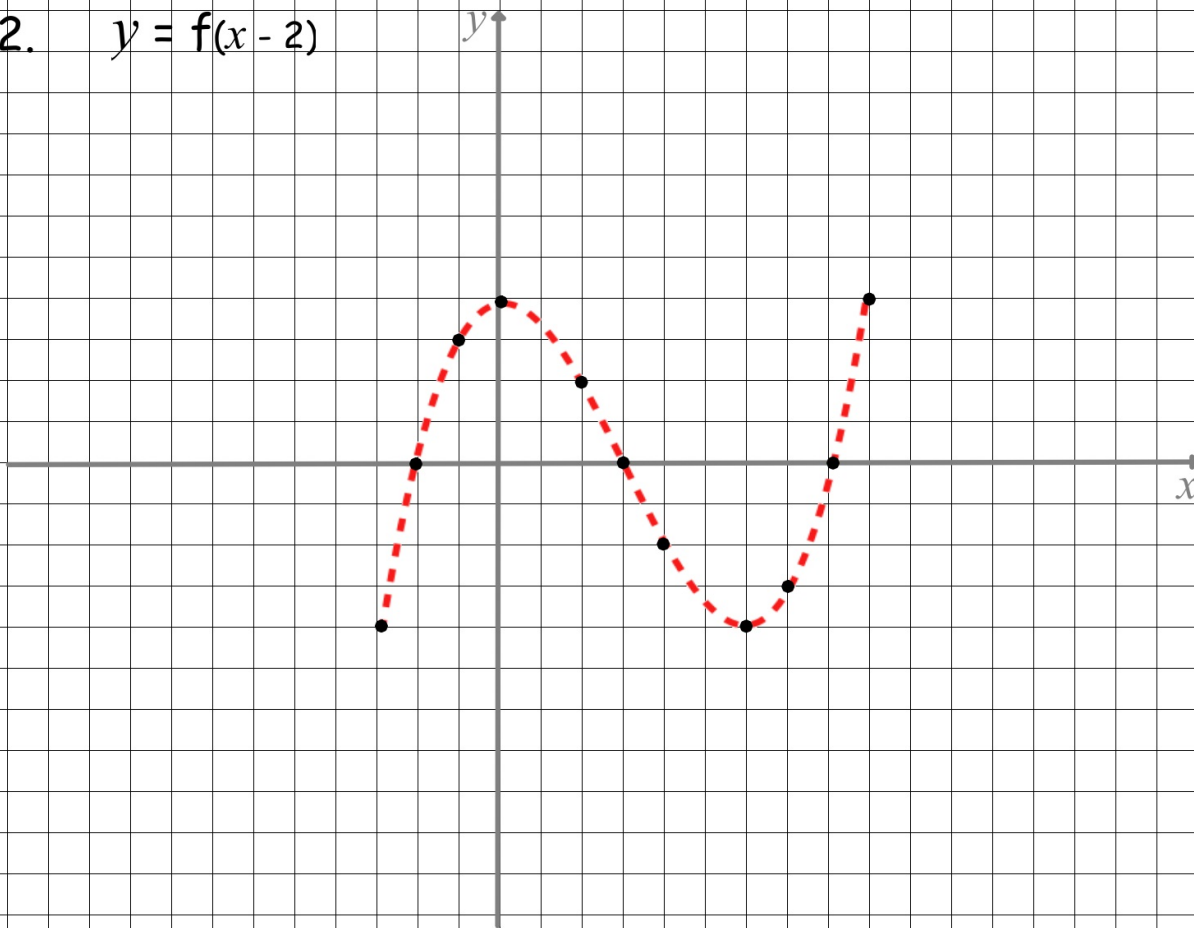
In each question the graph of $y = f(x)$ is shown.

Carefully sketch its image under the transformation, including the images of the 11 points on the curve.

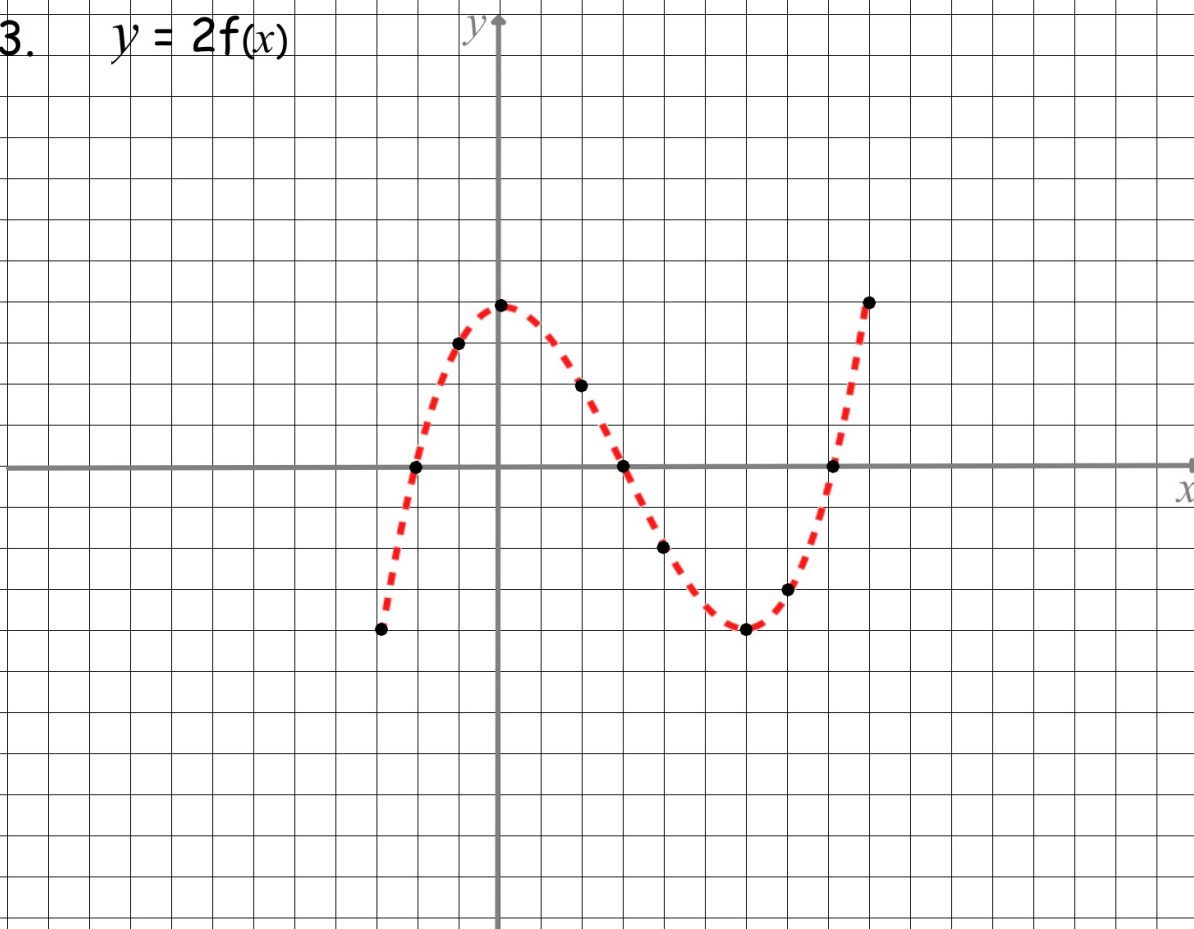
When a combination of two transformations is involved, show the intermediate curve.



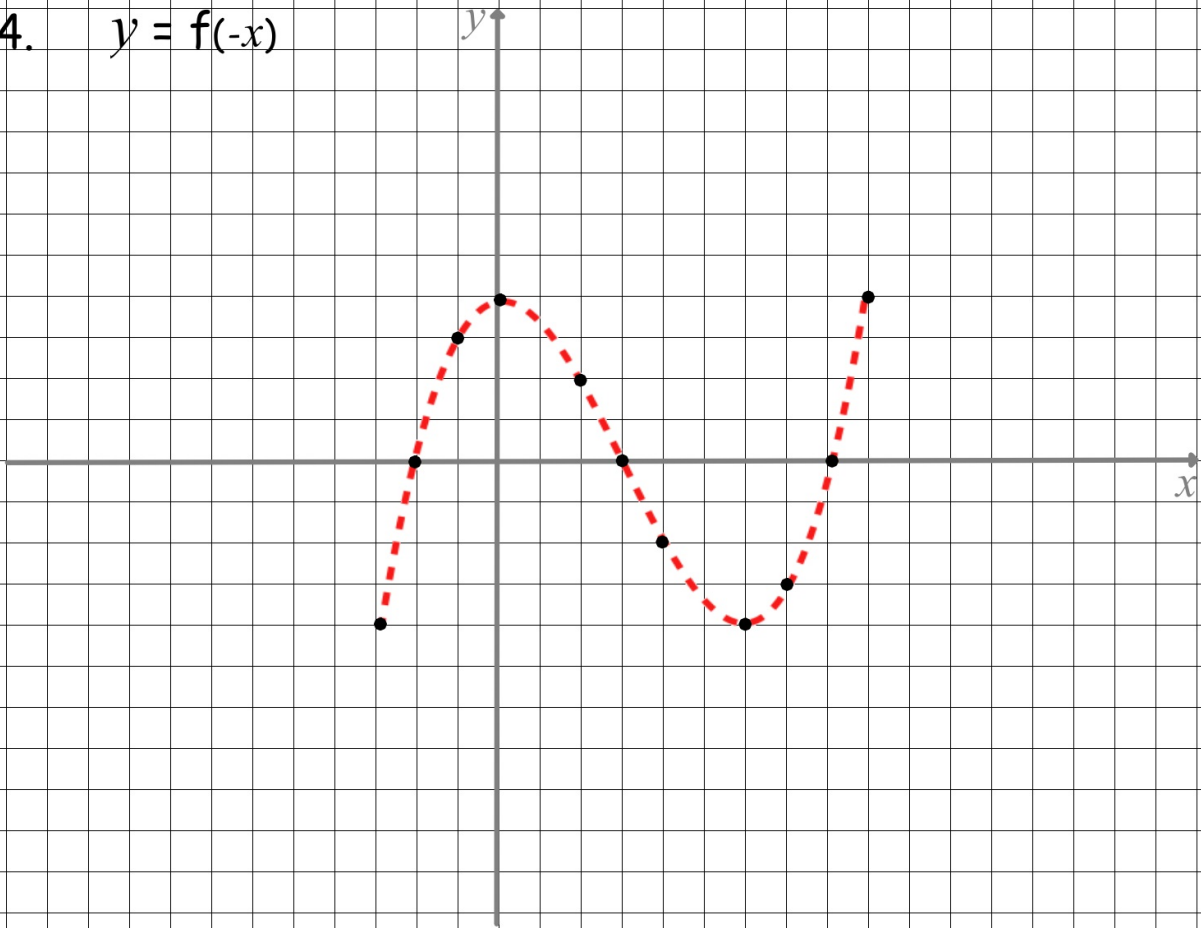
2. $y = f(x - 2)$



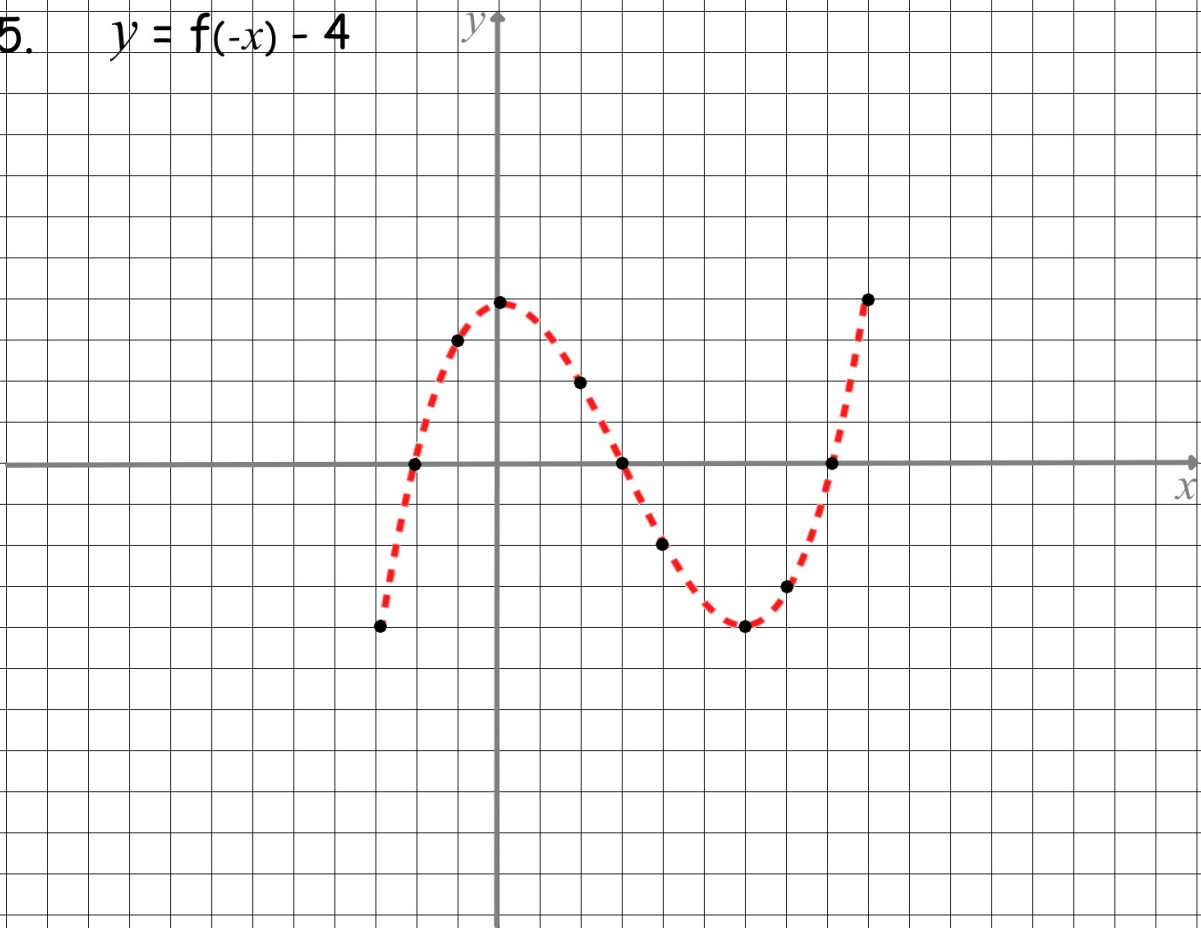
3. $y = 2f(x)$



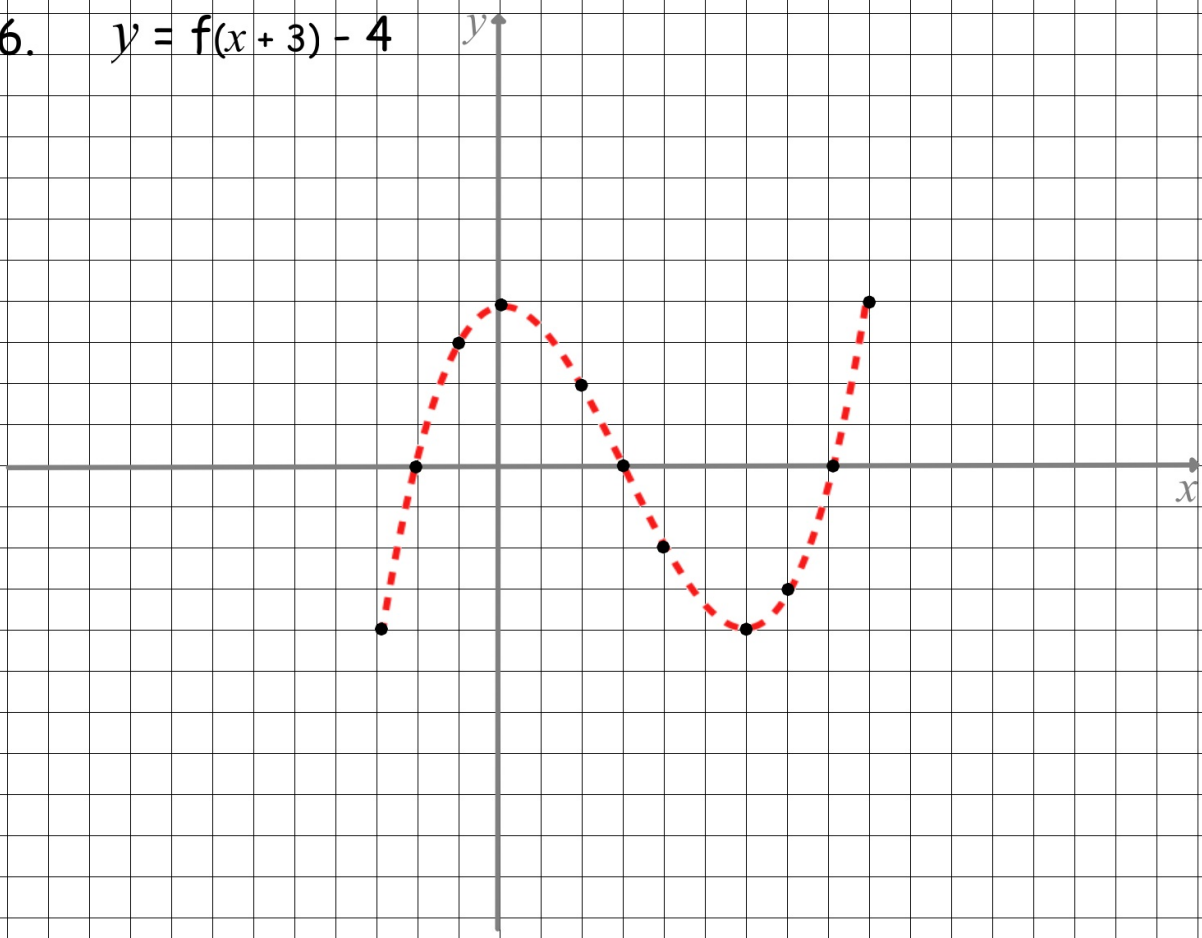
4. $y = f(-x)$



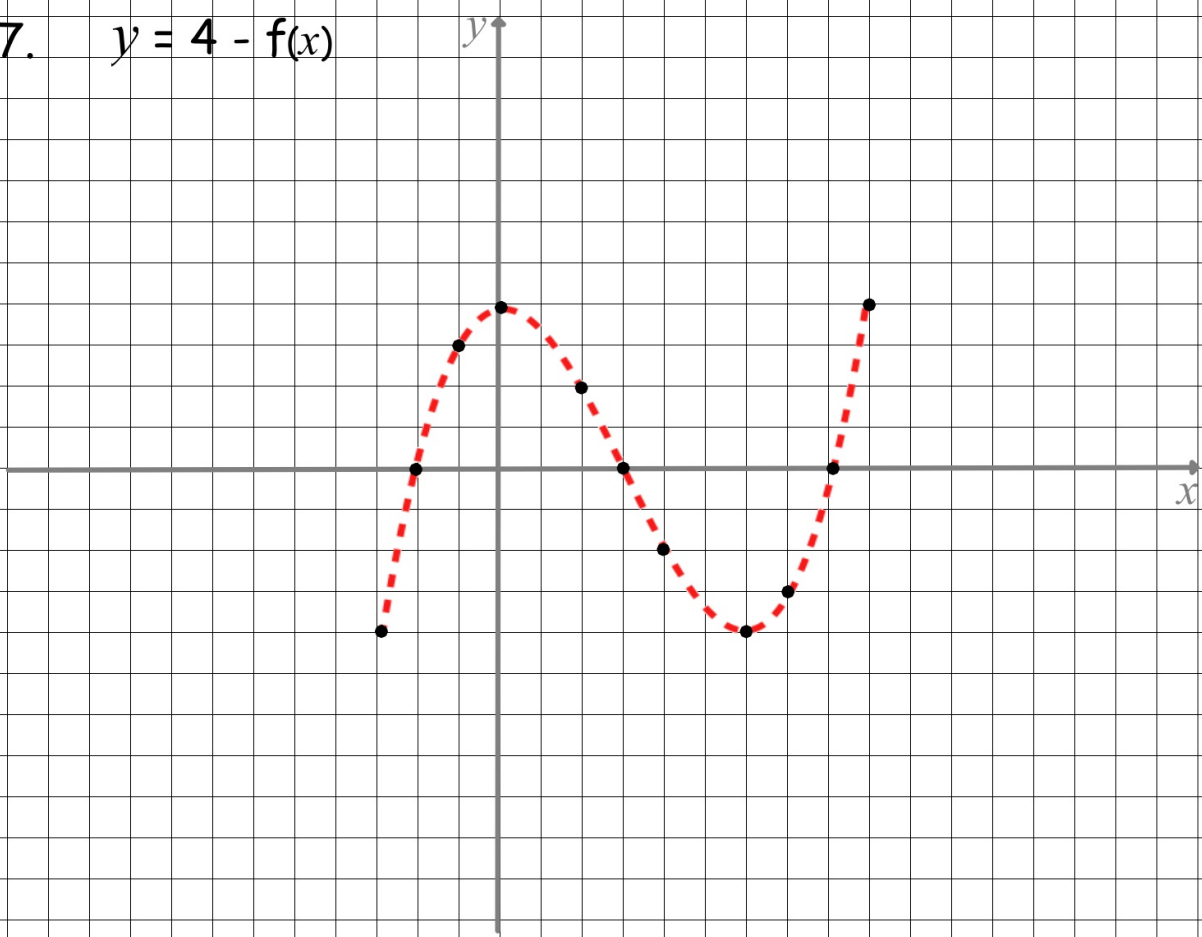
5. $y = f(-x) - 4$



6. $y = f(x + 3) - 4$



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

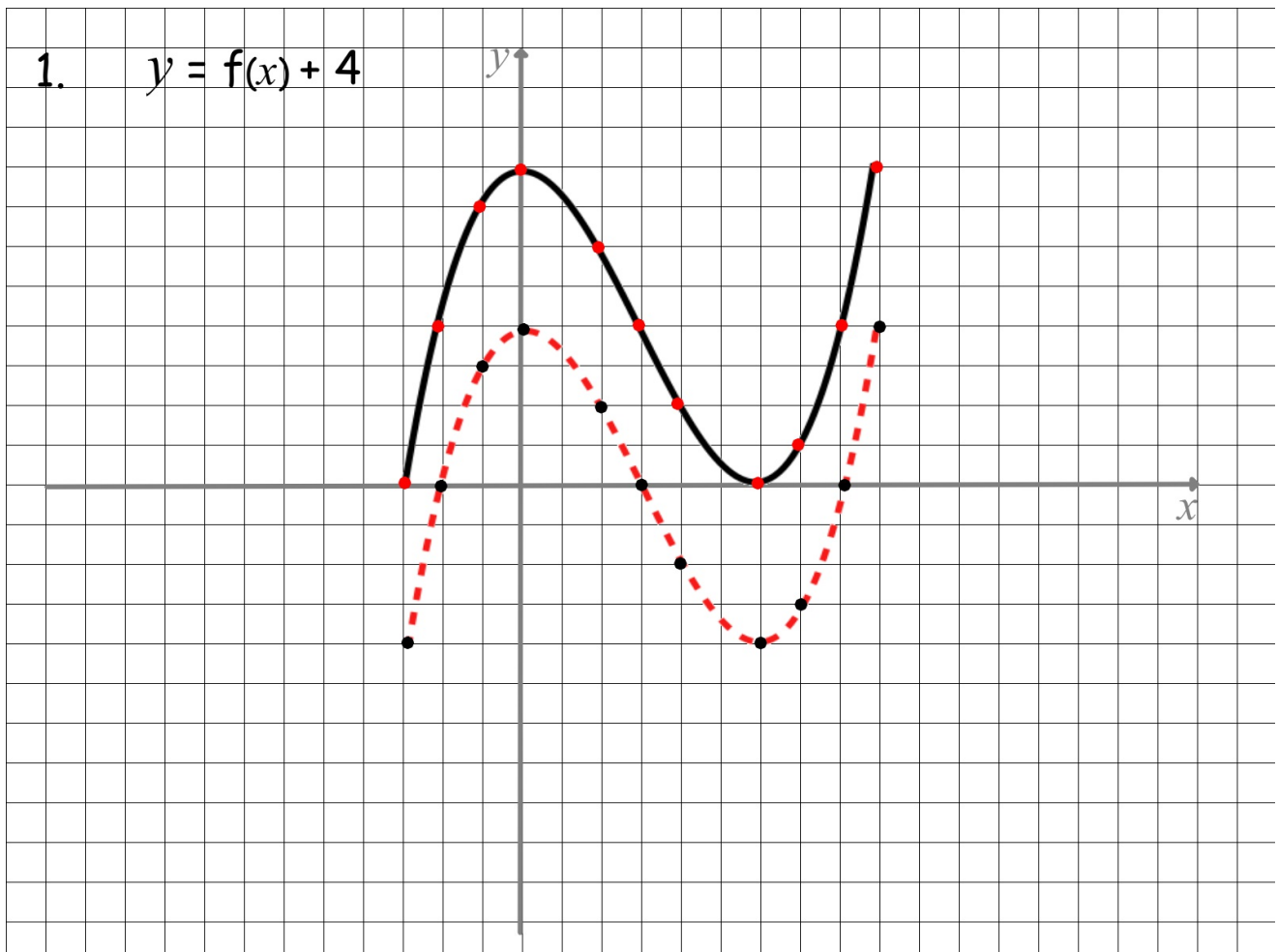


TRANSFORMING GRAPHS EXERCISE

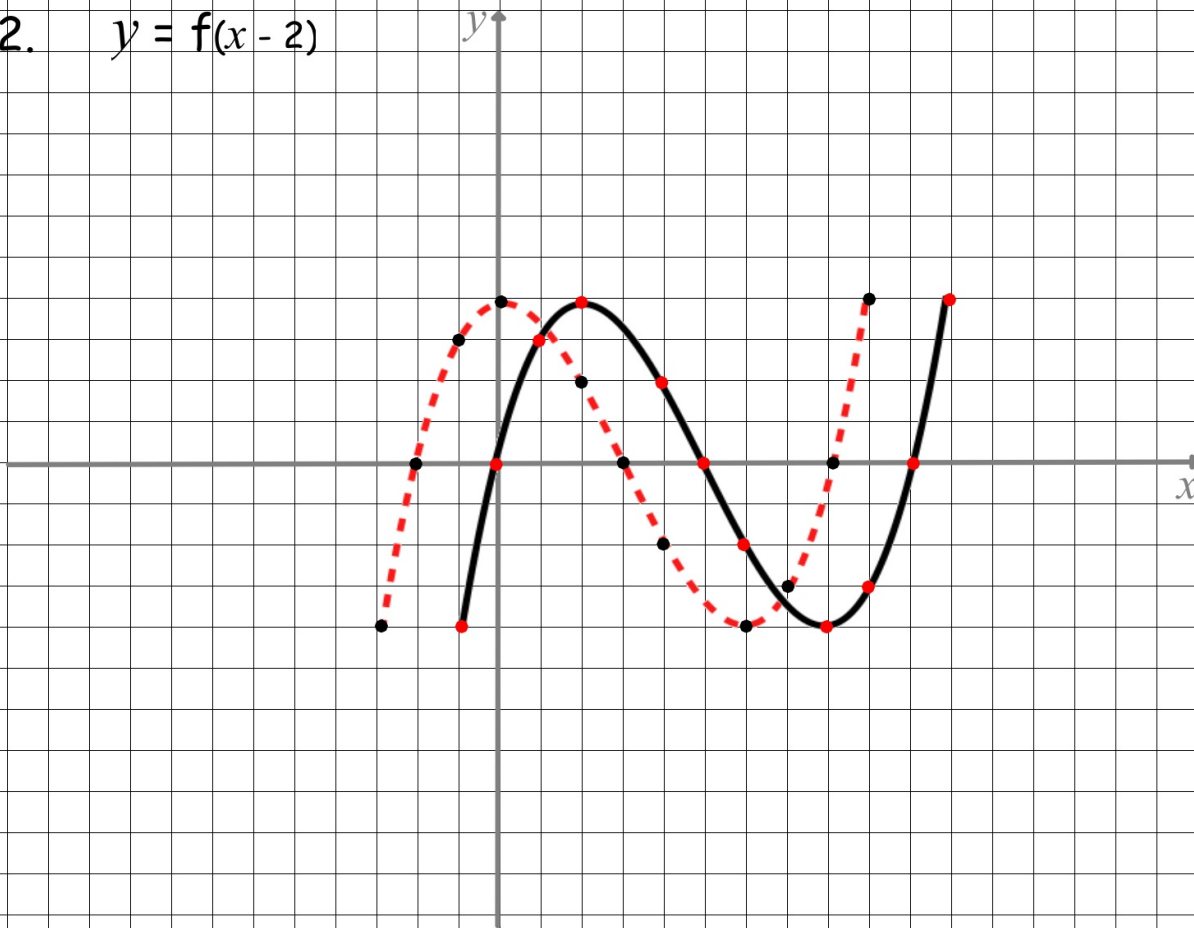
In each question the graph of $y = f(x)$ is shown.

Carefully sketch its image under the transformation, including the images of the 11 points on the curve.

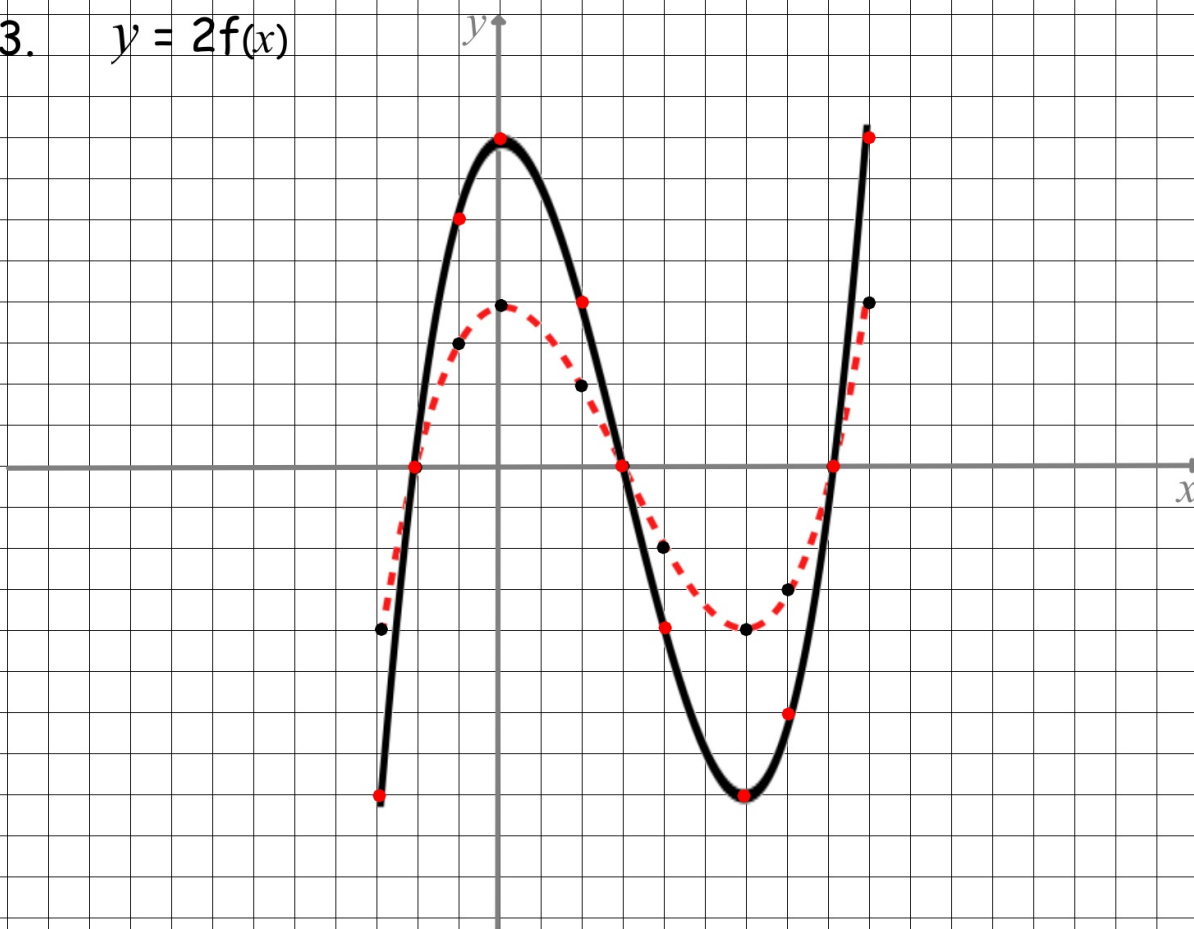
When a combination of two transformations is involved, show the intermediate curve.



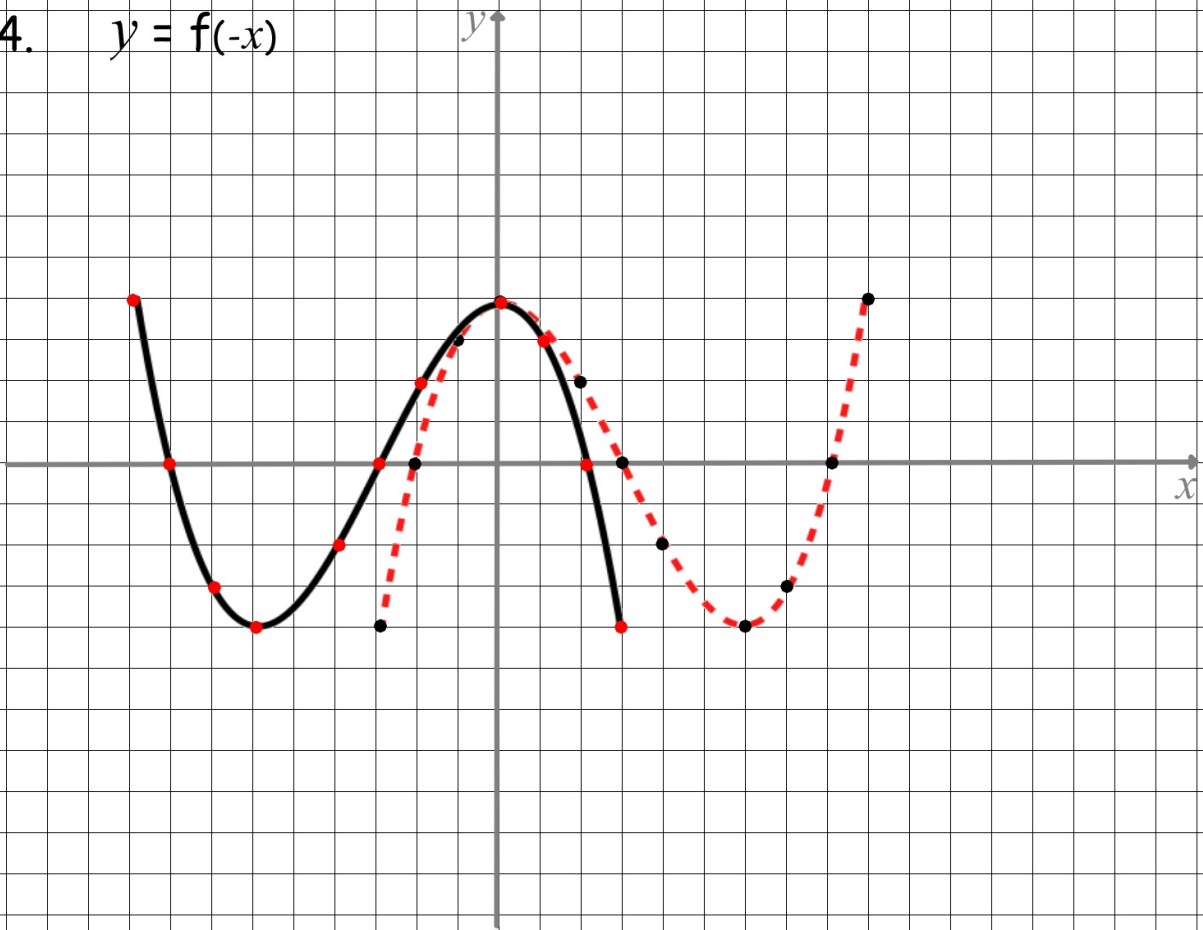
2. $y = f(x - 2)$



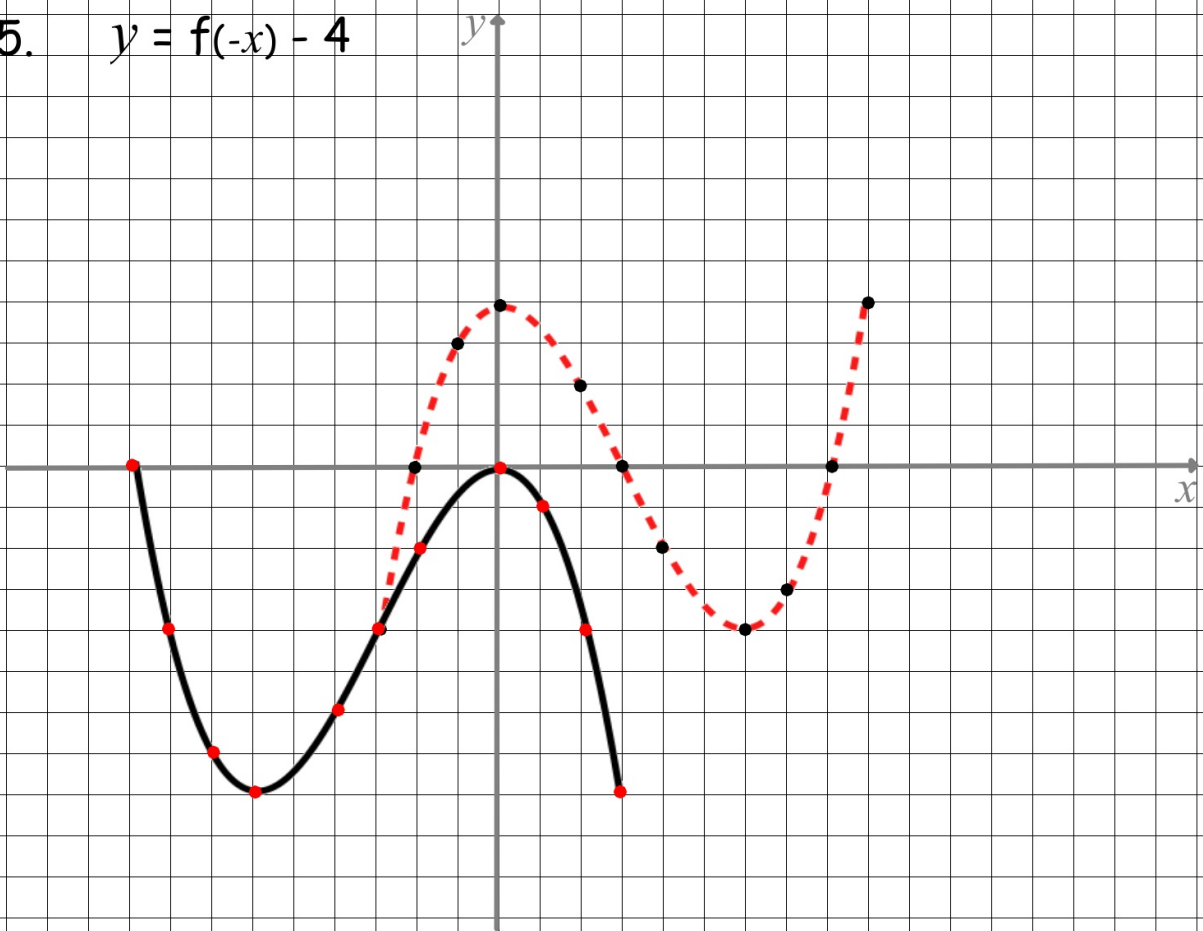
3. $y = 2f(x)$



4. $y = f(-x)$

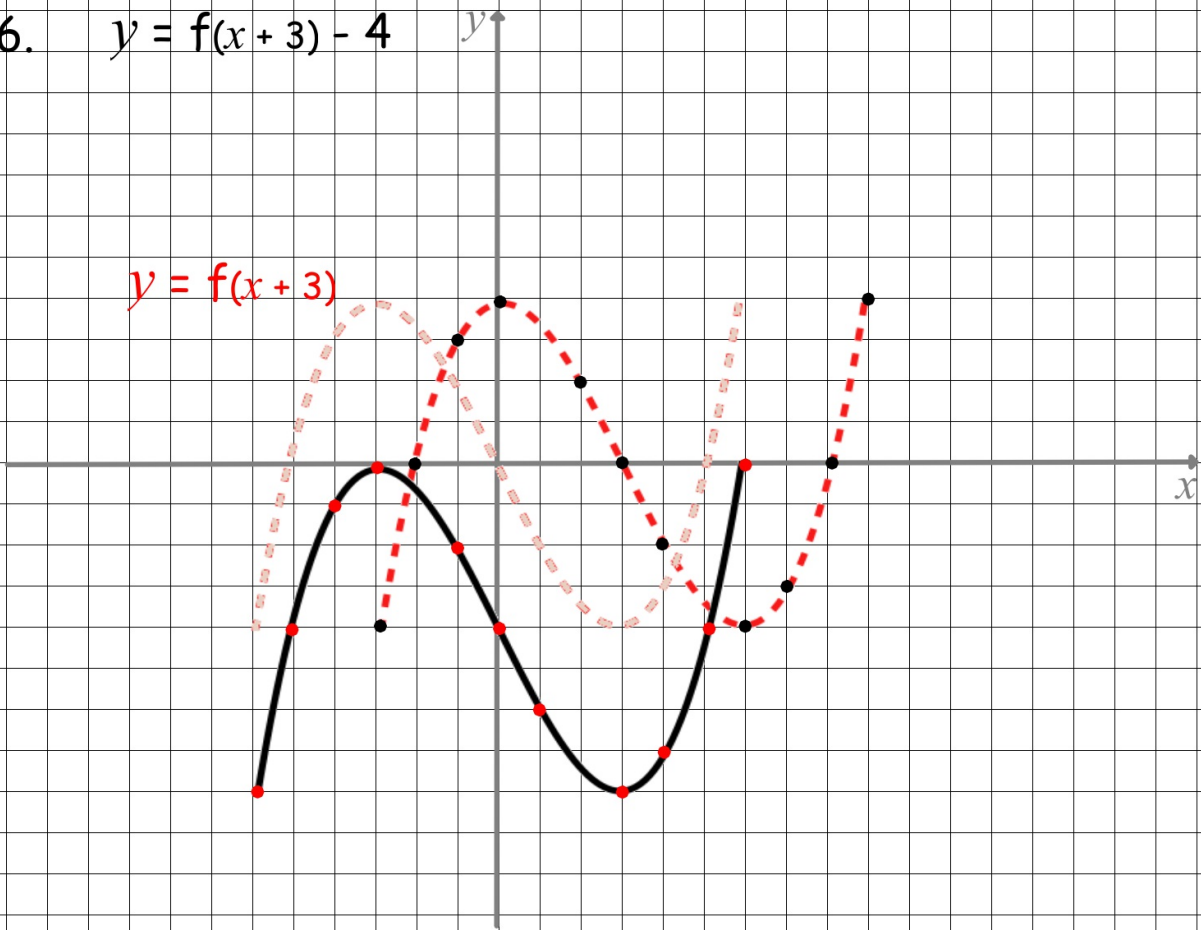


5. $y = f(-x) - 4$



6. $y = f(x + 3) - 4$

$y = f(x + 3)$



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

$y = -f(x) + 4$

$y = -f(x)$

