

Evaluate.

1. $7 \cdot 3^2 + 11$

2. $10 - 3(3 + 1)^3$

3. $64 \div 4^2 + \frac{1}{2}$

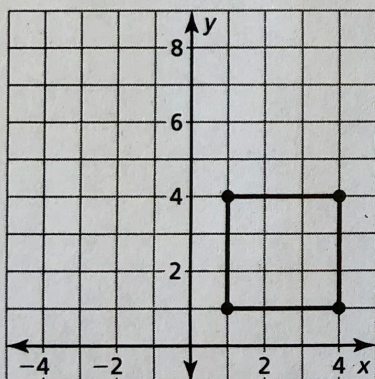
4. $-99 \div 3^2 \cdot 5$

5. $\frac{1}{7}(7^2 + 28)$

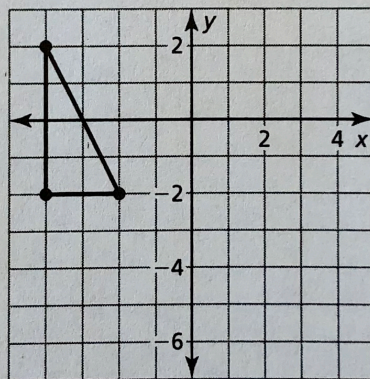
6. $-\frac{1}{8}(8 + 24) - 2^2$

Graph the transformation of the figure.

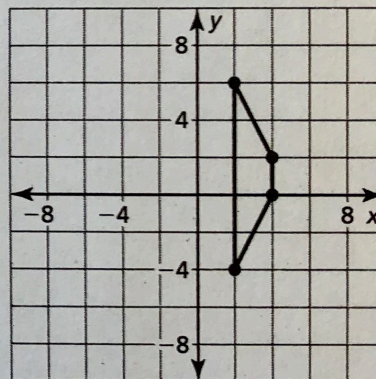
7. Translate the rectangle 3 units left and 4 units up.



8. Reflect the right triangle in the
- y
- axis. Then translate 3 units down.



9. Translate the trapezoid 2 units up. Then reflect in the
- x
- axis.



- ~~10.~~ The point $(1, 1)$ is on $f(x)$. After a series of 3 transformations, $(1, 1)$ has been moved to $(2, -7)$. Write a function $g(x)$ that represents the transformations on $f(x)$.