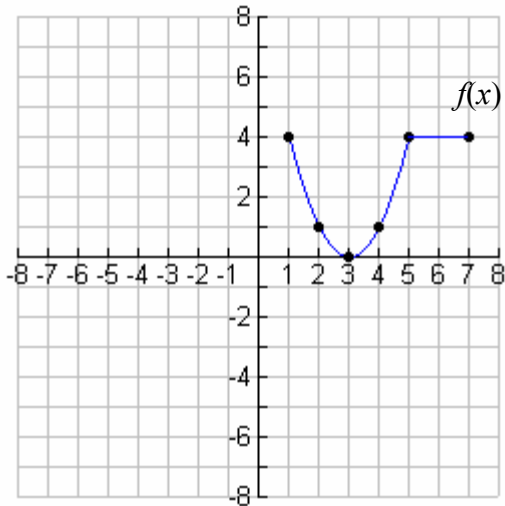
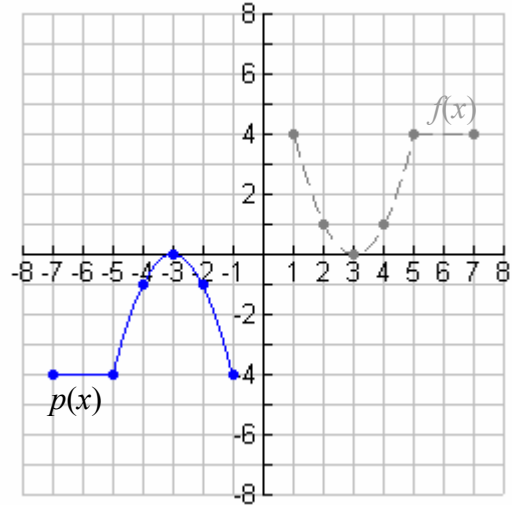


Combining Translations of a Function

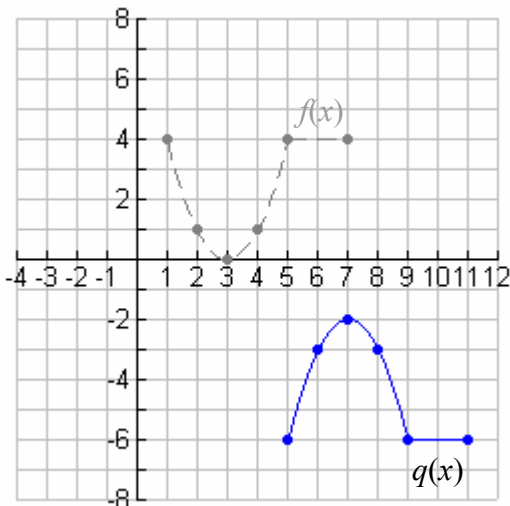
The graph of $f(x)$ is shown.



1. $p(x)$ is a translation of $f(x)$.
 - a. How does the graph of $p(x)$ compare to the graph of $f(x)$?

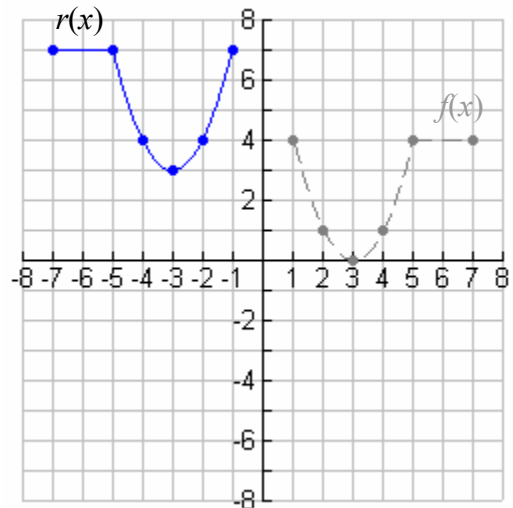


2. $q(x)$ is a translation of $f(x)$.
 - a. How does the graph of $q(x)$ compare to the graph of $f(x)$?



- b. Write a rule for $p(x)$ in terms of $f(x)$.

3. $r(x)$ is a translation of $f(x)$.
 - a. How does the graph of $r(x)$ compare to the graph of $f(x)$?



- b. Write a rule for $q(x)$ in terms of $f(x)$.

- b. Write a rule for $r(x)$ in terms of $f(x)$.