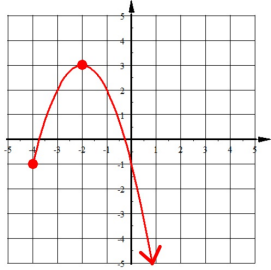1. State the Domain and Range using inequalities.

Domain:

Range:

2. Use these two functions: $h(x) = x^2 - 6x$ $g(x) = 2x - 5$

Find $h(g(6))$

3. Two people get in their boats and leave the same spot at the same time traveling in opposite directions. The person sailing East sails 4 mph faster than the person sailing West. After five hours they 140 miles apart. Write and solve a system of equations to find out how fast each boat was sailing.

4. Solve for Q. State restrictions on the varialbes.

$H(M + PQ) - A = W + JQ$