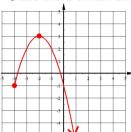
1. State the Domain and Range using inequalities.



Domain:



Range:

4

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.

$$2 \times 10^{10} =$$

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

Find h(g(6))

$$g(G) = 2(G) - 5 = 7$$

 $h(g(G))$
 $h(7) = (7)^2 - 6(7) = 7$

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

$$HM + HPQ - A = W + JQ$$

$$HPQ - JQ = W + A - HM$$

$$Q(HP - J) = W + A - HM$$

$$HP - J + Q$$

$$HP - J$$