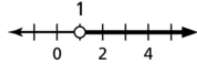


# MCR Chapter 2 page 80 answers

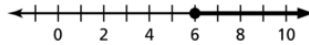
1.  $z - 6 \geq 11$

7.  $y > 1$



2.  $12 \leq -1.5w + 4$

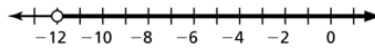
8.  $p \geq 6$



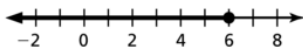
3.  $x < 0$

4.  $x \geq 8$

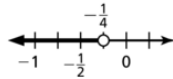
9.  $w > -12$



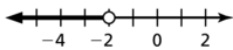
5.  $q \leq 6$



10.  $x < -\frac{1}{4}$



6.  $z < -2$

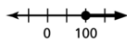


11.  $y \geq 8$

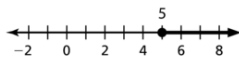
12. all real numbers

13. no solution

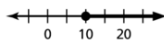
14. a.  $s \geq 100$



$t \geq 5$



$u \geq 10$



b. no; One of the requirements is to swim 100 yards, which is equal to 300 feet. If you only swim 250 feet you do not meet this requirement.

16. a.  $15w \geq 120; w \geq 8$

b. The number of weeks is reduced;  $65 + 15w \geq 120; w \geq 3\frac{2}{3}$

15.  $V + 100 \leq 700; V \leq 600$