

## Answers to HW43: Review

1)  $-8$

2)  $-6$

3)  $10$

4)  $12$

5)  $70 + 50k$

6)  $-6m - 51$

7)  $19r + 20$

8)  $21 + 2x$

9)  $\{2\}$

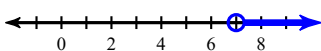
10)  $\{1\}$

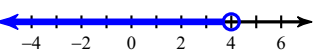
11)  $\{-2\}$

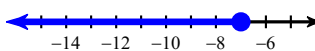
12)  $\{2\}$

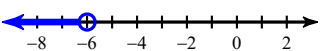
13)  $\{0\}$

14)  $\{4\}$

15)  $x > 7$  :  A number line with arrows at both ends. Major tick marks are labeled 0, 2, 4, 6, 8. A blue circle with a plus sign is at 7. A blue arrow points to the right from 7.

16)  $n < 4$  :  A number line with arrows at both ends. Major tick marks are labeled -4, -2, 0, 2, 4, 6. A blue circle with a plus sign is at 4. A blue arrow points to the left from 4.

17)  $x \leq -7$  :  A number line with arrows at both ends. Major tick marks are labeled -14, -12, -10, -8, -6. A blue circle with a plus sign is at -7. A blue arrow points to the left from -7.

18)  $p < -6$  :  A number line with arrows at both ends. Major tick marks are labeled -8, -6, -4, -2, 0, 2. A blue circle with a plus sign is at -6. A blue arrow points to the left from -6.

19) Infinite number of solutions

20)  $(-4, -4)$

21)  $(-4, 5)$

22) No solution