Solve and plot $2x+4>10$

1) What's the inverse of adding 4? Subtracting 4

$2x+4-4>10-4$ setup the subtraction of 4

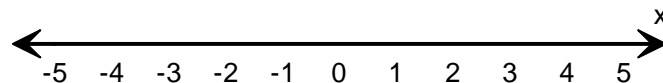$2x>6$ complete the subtraction

2) What's the inverse of multiplication? Division

3) Setup the division by 2 on both sides: $\dfrac{2x}{2}>\dfrac{6}{2}$
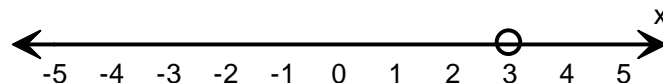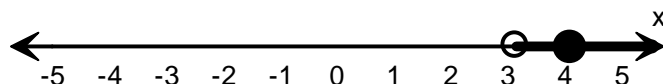
   Complete the division: $x>3$

4) Draw a number line:

5) Mark $x=3$ with an open point:

6) Shade to the right of 3:

7) Use $x=4$ to check: $2(4)+4>10$

                    $8+4>10$

                     $12>10$ true