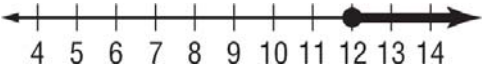
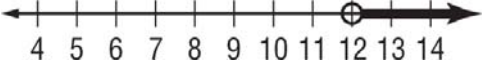
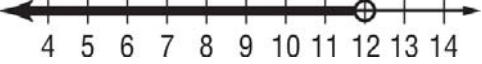


Math 7 chapter 6 pre-practice test

<p>1. Which equation is represented by the drawing?</p> <div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid black; width: 60px; height: 15px;"></div> <div style="border: 1px solid black; width: 60px; height: 15px;"></div> </div> <div style="font-size: 2em;">=</div> <div style="display: flex; flex-direction: column; gap: 5px;"> <div style="border: 1px solid black; width: 20px; height: 15px;"></div> <div style="border: 1px solid black; width: 20px; height: 15px;"></div> <div style="border: 1px solid black; width: 20px; height: 15px;"></div> </div> </div> <p>a. $x + 2 = 5$ b. $2x + 1 = 5$ c. $x - 2 = 5$ d. $2x - 1 = 5$</p>	
<p>2. What value of x makes this equation true?</p> $4x + 7 > 47$ <p>A. 12 B. 10 C. 9 D. 8</p>	
<p>3. Joshua spends \$0.25 for every song he downloads to his cell phone. Which of the following represents the number of songs he can download if he has less than \$3?</p> <p>A. </p> <p>B. </p> <p>C. </p> <p>D. Not enough information is given.</p>	
<p>4. For a warm up, Samuel runs 200 yards less than half the maximum distance he can run. This is represented by the equation $r = \frac{1}{2}x - 200$, where x represents the maximum distance he can run and r represents the distance run during his warm up. If Samuel ran 600 yards during his warm up, what is the maximum distance he can run?</p> <p>A. 3,600 yards B. 2,400 yards C. 1,800 yards D. 1,600 yards</p>	

<p>5. Which of the following problems can be solved using the equation $15 - 9 = x$?</p> <p>A. Allison is 9 years younger than her sister Pam. Allison is 15 years old. What is x, Pam's age?</p> <p>B. David's portion of the bill is \$9 more than Jaleel's portion of the bill. If Jaleel pays \$9, find x, the amount in dollars that David pays.</p> <p>C. The sum of two numbers is 15. If one of the numbers is 9, what is x, the other number?</p> <p>D. Calvin owns 15 CDs. If he gave 9 of them to a friend, what is x, the number of CDs he has left?</p>			
<p>6. Three children each had the same amount of money in their savings accounts. One of the children withdrew a quarter of her money and spent it all on a \$20 T-shirt. What was the total amount of money originally in the accounts?</p>			
<p>7. The length of each side of a square was decreased by 4 inches, so the perimeter is now 48 inches. What was the original length of each side of the square?</p> <p>A. 10 in. B. 12 in. C. 14 in. D. 16 in.</p>			
<p>8. \$3 more than Sara has = a. $3 - s$ b. $s - 3$ c. $s + 3$ d. $s \times 3$</p>			
<p>9. a number decreased by 12 = a. $12 - n$ b. $n - 12$ c. $12 + n$ d. $n + 12$</p>			
<p>Identify the solution of each equation from the list given in numbers 10-12:</p>			
<p>10. $6 + n = 20$; 14, 15, 16</p>	<p>11. $p - 2 = 19$; 17, 19, 21</p>	<p>12. $4h = 24$; 6, 8, 9</p>	
<p>Solve each equation 13. $y + 6 = 20$</p>	<p>14. $w - 11 = 3$</p>	<p>15. $5k = 45$</p>	<p>16. $\frac{p}{3} = 7$</p>