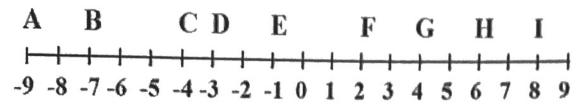
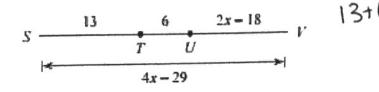
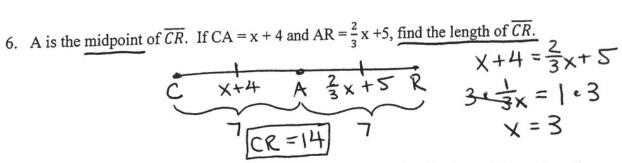
e the diagram below to answer the questions 1-4. w the calculation that you used to obtain your answer.



- What is the distance between points C and H? 1-4-6 = 10
- 2. What is the distance between points I and A? |8 (-9)| = |7|
- What is the distance between points G and C? 14 (-4) = 8
- 4. What is the distance between points B and G? |-7-4| = ||
- Solve for x.

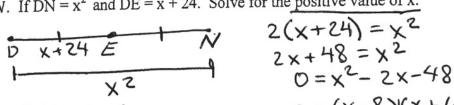


$$13+6+2x-18=4x-29$$
  
 $2x+1=4x-29$   
 $30=2x$   
 $15=x$ 



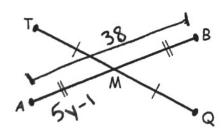
$$x + 4 = \frac{2}{3}x + 5$$
  
 $3 = \frac{1}{3}x = 1 = 3$   
 $x = 3$ 

7. E is the midpoint of  $\overline{DN}$ . If  $DN = x^2$  and DE = x + 24. Solve for the positive value of x.



8. If AM = 5y - 1, AB = 38, find the value of y.

 $0 = \frac{(x-8)(x+6)}{x-8=0} \times + 6=0$ 



$$2(5y-1)=38$$
  
 $10y-2=38$   
 $10y=40$   
 $y=4$