

# Answer Presentation Tool

Book Chapter Section Exercises  (53 exercises)Display Cols  

1. It bisects the segment.

2. Distance Formula

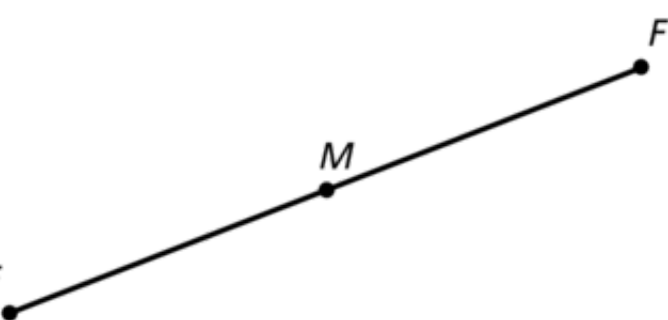
3. line  $k$ ; 34

5.  $M$ ; 44

7.  $M$ ; 40

9.  $\overrightarrow{MN}$ ; 32

11. 

13. 

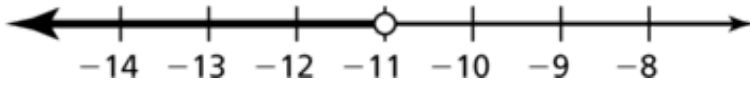
15. (5, 2)

17.  $(1, \frac{9}{2})$

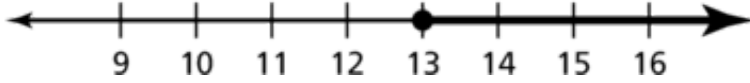
19. (3, 12)

21.  $(18, -9)$
23. 10
25.  $\sqrt{13}$ , or about 3.6
27.  $\sqrt{97}$ , or about 9.8
29. 6.5
31. The square root should have been taken.  $\sqrt{61} \approx 7.8$
33. about 6.7, about 6.3; no;  $AB > CD$
40. no; You have to take the absolute value of the difference.
42. a.  $AM = MB$ ;  $M$  is the midpoint of  $\overline{AB}$ .  
b.  $AC < MB$ ;  $C$  is between  $A$  and  $M$ , so  $AC < AM$ . Because  $AM = MB$ ,  $AC < MB$ .  
c. impossible to tell; The problem does not provide any information about whether  $C$  or  $D$  is closer to  $M$ .  
d.  $MB > DB$ ;  $D$  is between  $M$  and  $B$ , so  $MB > DB$ .
46. 20 cm, 25 cm<sup>2</sup>
47. 26 ft, 30 ft<sup>2</sup>
48. 12 m, 6 m<sup>2</sup>
49. 36 yd, 60 yd<sup>2</sup>

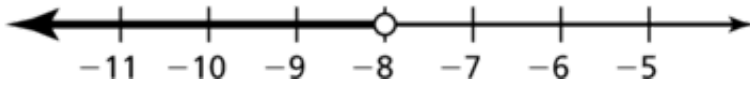
**50.**  $a < -11$



**51.**  $y \geq 13$



**52.**  $x < -8$



**53.**  $z \leq 48$

