1.2 Measuring Segments

NAME:_____

Corrective Assignment

DATE:_____

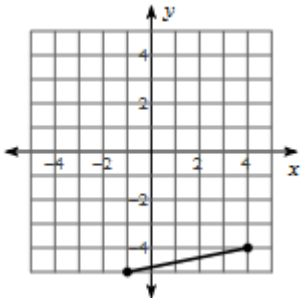
Find the midpoint of the line segment with the given endpoints.

1. $(-6, 3)$ and $(-6, -1)$

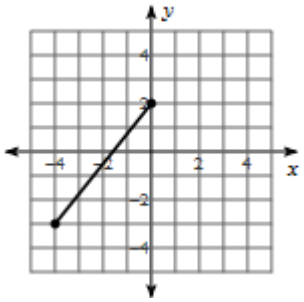
2. $(-3, -1)$ and $(0,9)$

Find the midpoint of the line segment.

3.



4.



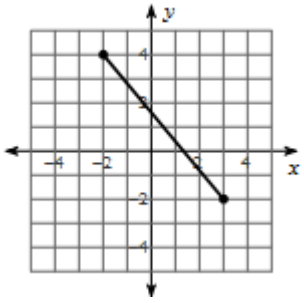
Find the distance of the line segment with the given endpoints.

5. $(5, 1)$ and $(-8, 3)$

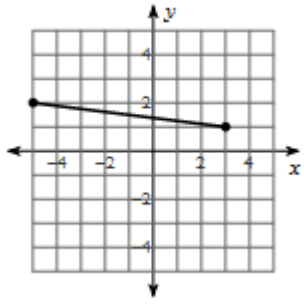
6. $(1, 6)$ and $(4,4)$

Find the distance of the line segment.

7.



8.



Solve each equation.

9. $-6x - 2 = 4$

10. $14 = 6p + 2$

11. $4r - 13 = r + 8$

12. $6m + 5 = 1 + 5m$

13. $12 - 8n = n + 3$

14. $5x - 16 = x + 8$

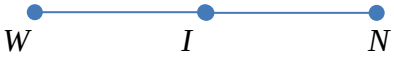
15.

Given

I is the midpoint of $\overline{WN}$

$WI = 15x - 13$

IN = 17



Find *x*

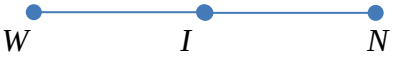
16.

Given

$\overline{WI} \cong \overline{IN}$

$WI = 36$

IN = $5x + 1$



Find *x*

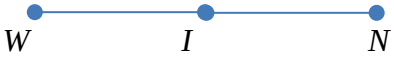
17.

Given

I is the midpoint of $\overline{WN}$

$WI = 15x - 13$

IN = $8x - 6$



Find *x*

Find *WI*

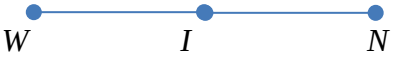
18.

Given

$\overline{WI} \cong \overline{IN}$

$WI = -3x + 25$

IN = $5x + 1$



Find *x*

Find *IN*

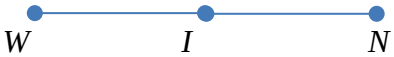
19.

Given

I is the midpoint of $\overline{WN}$

$WI = 12x - 3$

IN = $8x + 29$



Find *x*

Find *WI*

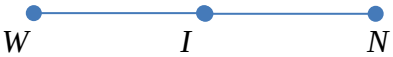
20.

Given

I is the midpoint of WN

$WI = 18 - 3x$

IN = $5x + 2$



Find *x*

Find *IN*

ANSWERS TO CORRECTIVE ASSIGNMENT 1.2

1. $(-6, 1)$	2. $\left(-\frac{3}{2}, 4\right)$	3. $\left(\frac{3}{2}, -\frac{9}{2}\right)$	4. $\left(-2, -\frac{1}{2}\right)$	5. $\sqrt{173}$
6. $\sqrt{13}$	7. $\sqrt{61}$	8. $\sqrt{65}$	9. $x = -1$	10. $p = 2$
11. $r = 7$	12. $m = -4$	13. $n = 1$	14. $x = 6$	15. $x = 2$
16. $x = 7$	17. $x = 1$ $WI = 2$	18. $x = 3$ $IN = 16$	19. $x = 8$ $WI = 93$	20. $x = 2$ $IN = 12$