1-4 Midpoints

Name:	Time>	Start:	Finish:	Total Time =
1.	What is the midpoint of a line	e that has endpo	oints at (2, 3) and (8, 5	0)?
2.	What is the midpoint of a line	e that has endpo	oints at (2, 3) and (4, 1)?
3.	What is the midpoint of a line	e that has endpo	oints at (14, -3) and (10	0, -1)?
4.	What is the midpoint of a line	e that has endpo	oints at (16, 3) and (8,	-1)?
5.	What is the midpoint of a line	e that has endpo	oints at (5, -10) and (6,	, -10)?
6.	What is the midpoint of a line	e that has endpo	oints at (0, 3) and (-4,	-3)?
7.	Point A is at $(3, 7)$ and B is a \overline{AC} , what are the coordinate	, , ,	the midpoint of	
8.	If X is the midpoint of \overline{CN} and	nd CX = 8n + 1	0, what is CN? (Expre	ession answer)
9.	If B is the midpoint of \overline{AC} and	nd AC = 4n - 2	, what is AB? (Expres	ssion answer)
10	Point A is at $(2, 12)$ and B is of \overline{AC} , what are the coordin		is the midpoint	
11.	If X is the midpoint of \overline{CN} a	nd CX = 4n - 6	5, what is CN? (Expres	ssion answer)
12	If B is the midpoint of \overline{AC} a	nd AC = 6n + 2	20, what is AB? (Expre	ession answer)
13	is (6, -2), what are the coordi line segment? (2008 SOL que	nates of the poi		
14	Point A is at (-4, 8) and B is of \overline{AC} , what are the coordinates		s is the midpoint	
15	Point X is at $(2, 12)$ and D is of \overline{XP} , what are the coordinates		is the midpoint	
16	5. Point A is at $(6, 1)$ and T is a of \overline{AT} , what are the coordinate		s the midpoint	
17.	Point A is at $(2, 12)$ and B is of \overline{AB} , what are the coordinate		C is the midpoint	

Consider the pictures below. If a point is in the first quadrant, it will always be A. If in the 2^{nd} , it will be B. If in the 3^{rd} , it will be C. If in the 4^{th} , it will be D. It would be wise to label the points before you start.

Figure 1

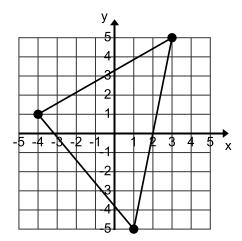
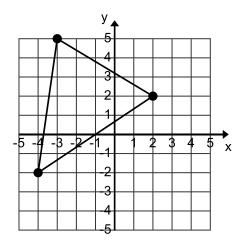


Figure 2



Find the midpoint of each given line segment.

_____18. \overline{AB} in Figure 1

 $20. \overline{AD}$ in Figure 1

 $21. \overline{AC}$ in Figure 2

 $\underline{\underline{}}$ 22. \overline{BD} in Figure 1

_____23. *BC* in Figure 2