u all work					Data	Dorio
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ne the following. Be as s • Y	2.	e. List as mar	iy ways 3.	as poss	sible.	
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A	5. <del>• •</del>	• • • • • • • • • • • • • • • • • • •	6.		•L /	
T	101				• <i>K</i>	
S						
State one similarity and or	ne difference betwe	en a segment	and a ra	ıy.		
If a line has one dimension	n, and a plane has	two dimension	s, what	kind of		
If a line has one dimension does a point ha	n, and a plane has ave?	two dimension	s, what	kind of		
If a line has one dimension does a point ha	n, and a plane has ave?	two dimension	s, what	kind of		
If a line has one dimension dimension does a point ha	n, and a plane has ave?	two dimension	s, what	kind of		
If a line has one dimension dimension does a point ha	n, and a plane has ave? <b>em to determine th</b>	two dimension	s, what	kind of		
If a line has one dimension dimension does a point ha the Pythagorean Theore of hof each segment in th	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of		
If a line has one dimension dimension does a point ha the Pythagorean Theore of h of each segment in th AB	n, and a plane has ave? em to determine th he figure shown.	two dimension	s, what	kind of		
If a line has one dimension dimension does a point ha the Pythagorean Theore of h of each segment in th AB	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of		
If a line has one dimension dimension does a point ha the Pythagorean Theore of hof each segment in th AB	n, and a plane has ave? em to determine th he figure shown.	two dimension	s, what	kind of	B	
If a line has one dimension dimension does a point ha the Pythagorean Theore of of each segment in th AB	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $6 \frac{y}{4}$	B	
If a line has one dimension dimension does a point hat the Pythagorean Theore of the feach segment in the $\overline{AB}$ $\overline{CD}$	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $6^{4}$	B	
If a line has one dimension dimension does a point ha the Pythagorean Theore of each segment in th $\overline{AB}$ $\overline{CD}$	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $6 \frac{y}{4}$		
If a line has one dimension dimension does a point has the Pythagorean Theore of the feach segment in the $\overline{AB}$ $\overline{CD}$	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $6^{4}$ $2^{2}$ $2^{1}$ $4^{2}$ $4^{2}$ $2^{1}$		
If a line has one dimension dimension does a point has the Pythagorean Theore gth of each segment in the $\overline{AB}$ $\overline{CD}$ $\overline{EG}$	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $ \begin{array}{c} 6 \\ 4 \\ 2 \\ 2 \\ 0 \\ -2 \\ - \end{array} $		
If a line has one dimension dimension does a point has the Pythagorean Theore gth of each segment in the $\overline{AB}$ $\overline{CD}$ $\overline{FG}$	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $ \begin{array}{c} 6 \\ y \\ 4 \\ c \\ 2 \\ 0 \\ -2 \\ -4 \\ -4 \\ \end{array} $	B 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
If a line has one dimension dimension does a point has the Pythagorean Theore gth of each segment in the $\overline{AB}$ $\overline{CD}$ $\overline{FG}$	n, and a plane has ave? em to determine th ne figure shown.	two dimension	s, what	kind of $ \begin{array}{c} 6 \\ 4 \\ 2 \\ -2 \\ -4 \\ -6 \\ \end{array} $		

Leave your answer in simplest radical form.

- 12. a = 5, b = 12, c = ? 13. a = ?, b = 1, c = 9
- 14. a = 8, b = ?, c = 16 15. a = 3, b = 6, c = ?
- 16. a = 1, b = 2, c = ? 17. a = ?, b = 12, c = 20

## 1.1 Cont. Midpoint & Distance Formula Show all work

18. Find the length of  $\overline{AC}$  using the Distance Formula. Then find the length of  $\overline{AC}$  using the Pythagorean Theorem. Do you get the same length? Why or why not?

Distance formula	_									
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							+	Y	1. 1.	- 
Pythagorean Theorem					1		Z			
	2	( 	3.	2 -1		K	2	3	4	5
Samo?					X				1 1	
	-	+			-2	-				-
		+	- C		1				H	B
			I		¥∗ y	1	1			

19. What happens if the distance formula is used to find  $\overline{BC}$ ? \_\_\_\_\_

Use the distance formula or Pythagorean Theorem to determine whether each pair of segments have the same length.



Find the coordinates of the midpoint of a segment with given endpoints. Then find the length of the segment.

22.	<i>A</i> (5, 0), <i>B</i> (1, 4)	23. <i>R</i> (-6, 1), <i>S</i> (-3, -3)	24. X(2, -7), Y(-1, 7)
	midpoint:	midpoint:	midpoint:

length:
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length:\_\_\_\_\_

length:\_\_\_\_\_