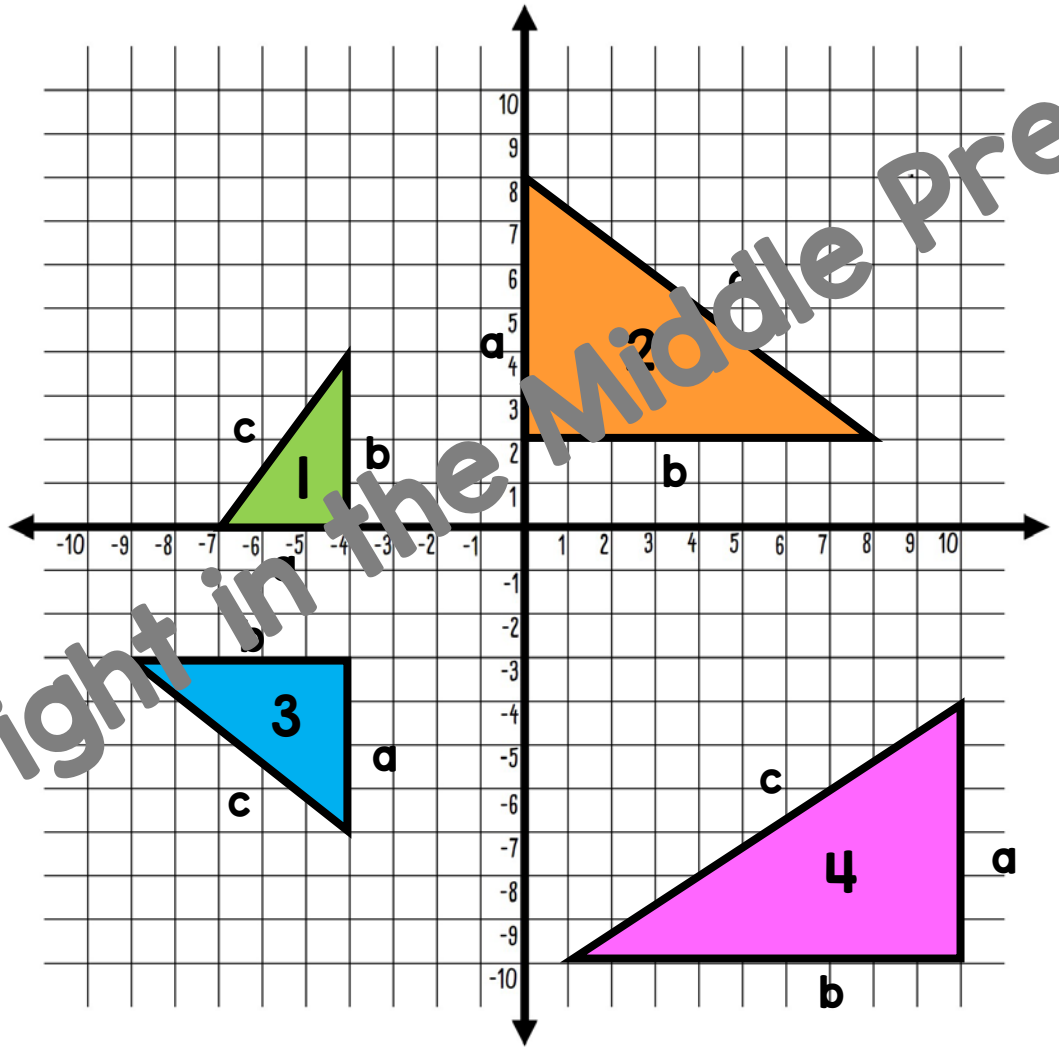
Use for Task Cards #1-4.



#1

For right triangle #1, find the value of c. Round your answer to the nearest tenth, if necessary.

#2

For right triangle #2, find the value of c. Round your answer to the nearest tenth, if necessary.

#3

For right triangle #3, find the value of c. Round your answer to the nearest tenth, if necessary.

#4

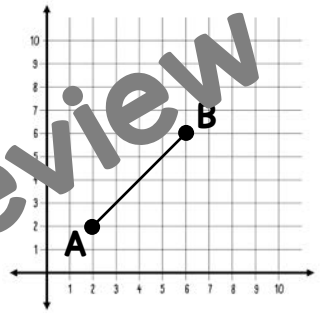
For right triangle #4, find the value of c. Round your answer to the nearest tenth, if necessary.

#5

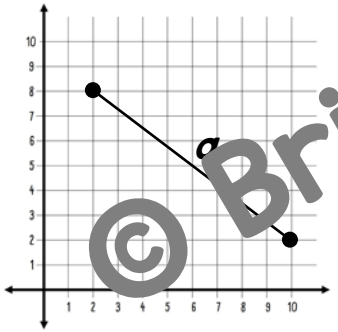
The points A (1, 2), B (7, 2), and C (7, 6) are vertices of a right triangle. What is the approximate length of side $\overline{AC}$? Round to the nearest tenth, if necessary.

#6

Line segment AB is graphed on the coordinate plane. What could be the coordinates of the third vertex, C, so that it would have a hypotenuse with a length of $\sqrt{32}$?



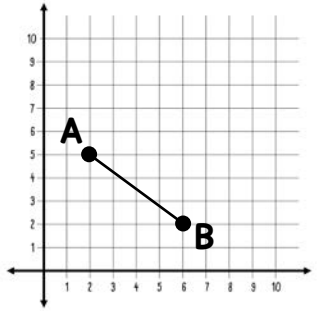
#7



Find the distance of line a.

#8

Find the distance between the points (2, 5) and (6, 2).

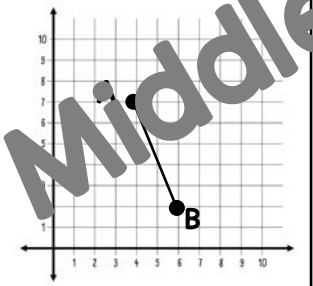
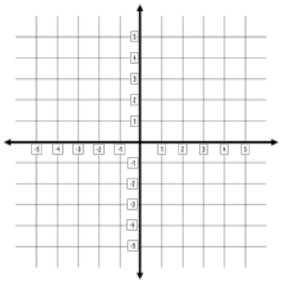


Name _____

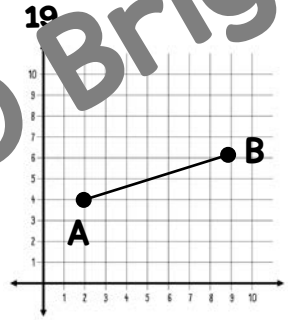
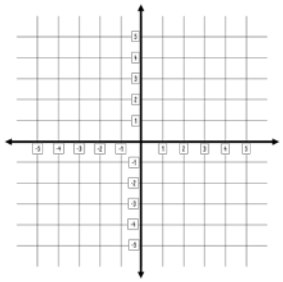
Date _____

The Pythagorean Theorem on the Coordinate Plane

1	2	3	4	5	6

7	8	9	10	11	12
					

13	14	15	16	17	18

19	20	21	22	23	24
					Use the back of this page if needed.