

Math II — Zebra Pens (Part II)

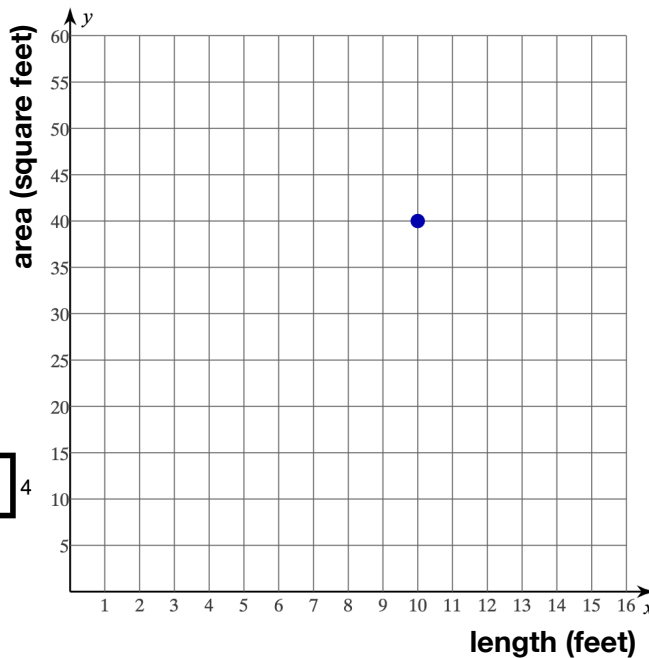
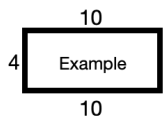


Name _____

Carol is back! This time we will investigate *different* perimeters to see how they affect the areas of her enclosures.

1) What if Carol had **28** feet of fencing? Complete the table and graph your results.

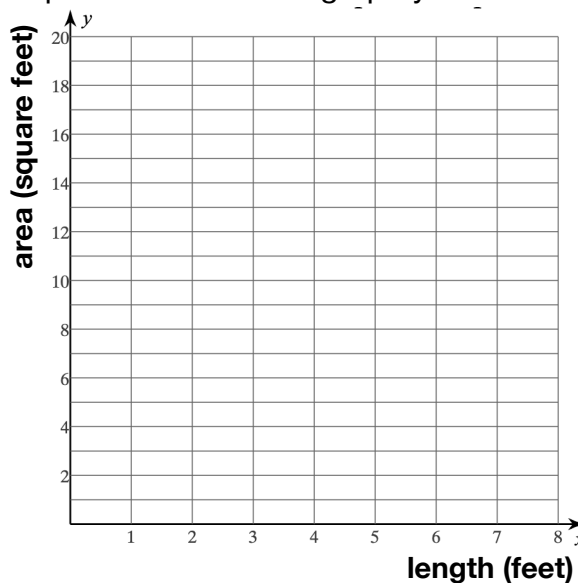
length (ft)	area (ft ²)
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	40
11	
12	
13	
14	



Write an explicit equation to match: Area = (____)(____) =
↑ ↑
length width

2) What if Carol had **12** feet of fencing? Complete the table and graph your results.

length (ft)	area (ft ²)
0	
1	
2	
3	
4	
5	
6	

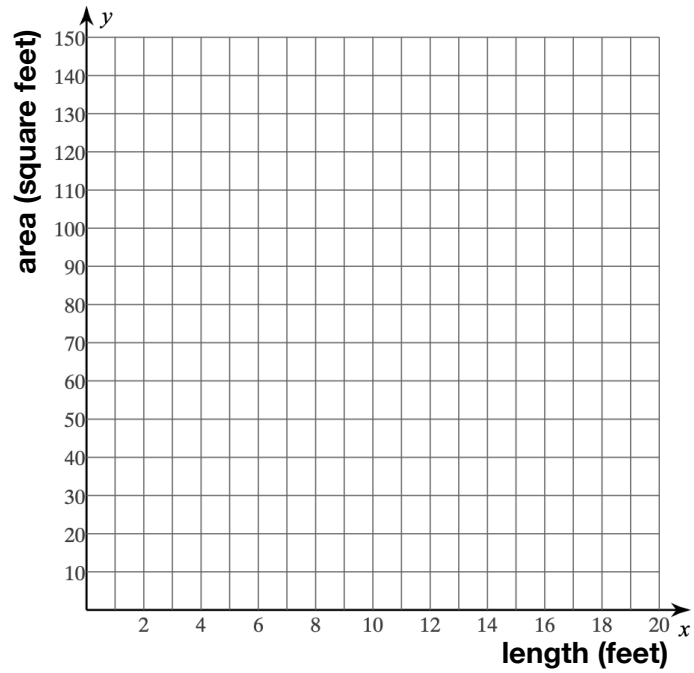


Write an explicit equation to match:

Area = (____)(____) =

3) What if Carol had **40** feet of fencing? Complete the table and graph your results.

length (ft)	area (ft ²)
0	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

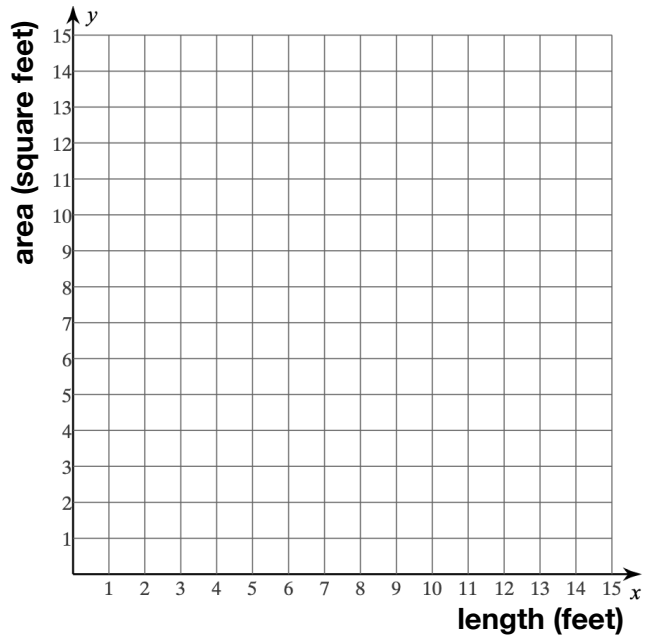


Write an explicit equation to match:

Area = (____)(____) =

4) What if Carol had **16** feet of fencing? Complete the table and graph your results.

length (ft)	area (ft ²)
0	
1	
2	
3	
4	
5	
6	
7	
8	



Write an explicit equation to match:

Area = (____)(____) =