Name _____   Date/Time _____
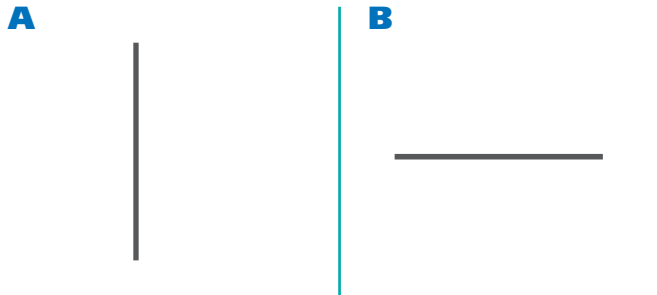
Intersecting Lines

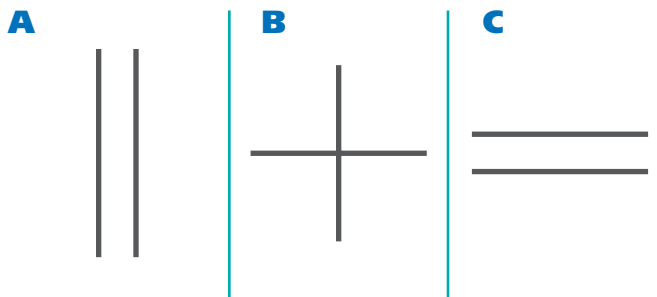**NCTM Standards 1, 2, 6, 7, 8, 9, 10**

Use the maps to complete the table.

1 Maps with **1** street

A   **B**

		A	B
Horizontal	—	0	
Vertical	|	1	
Intersections	+	0	

2 Maps with **2** streets

A   **B**   **C**

		A	B	C
Horizontal	—			
Vertical	|			
Intersections	+			

3 Draw maps with **3** streets. Then complete the table.

A   **B**   **C**   **D**

		A	B	C	D
Horizontal	—	0	1	2	3
Vertical	|	3	2		
Intersections	+			2	0

5 × 5   **XXV**   twenty-five **25**

④ Draw maps with **4** streets. Then complete the table.

A | B | C | D

|||| (B) ||| (C)

E Draw the missing 4-street map.

		A	B	C	D	E
Horizontal	—	0		2		
Vertical	|				1	
Intersections	+		3	4	3	

⑤ Draw maps with **5** streets. Then complete the table.

A | B | C | D | E

|||| (B) ||||| (D)

F Draw the missing 5-street map.

		A	B	C	D	E	F
Horizontal	—	3		5			
Vertical	|					1	
Intersections	+	6	4	0	0	4	

⑥ **Challenge** Terrance draws a map with 7 intersections. How many streets does his map have? Use numbers, pictures, or words to explain your answer.

_____

_____