

Midpoint and Endpoint Notes

Name: _____ Date: _____ Period: _____

Learning Target: _____

_____Constructing the Midpoint of a SegmentDescribe in words how you locate the midpoint of a line segment: _____

_____Midpoint Formula =

Example 1: (-2,5) and (3,-7)

Example 2: (-2,5) and (-5,8)

Example 3: (10,7) and (0,1)

Example 4: (-8,5) and (6,-2)

Missing Endpoint:

Endpoint: (-5,6) Midpoint: (-1,-2)

Endpoint : (10,4) Midpoint: (-6,3)

Show me you can do it!

1. $(3, 7)$ $(8, 2)$

6. E: $(4, 7)$ M: $(7, 3)$

2. $(-1, 6)$ $(7, 0)$

7. E: $(-2, 0)$ M: $(-5, 5)$

3. $(9, -2)$ $(-5, 4)$

8. E: $(8, 3)$ M: $(-1, 2)$

4. $(14, 3)$ $(0, 5)$

9. E: $(-2, 5)$ M: $(4, 9)$

5. $(5, 10)$ $(-6, 3)$

10. E: $(2, -6)$ M: $(5, 7)$

Show me you know it!

1. What is an easy way to remember the midpoint formula?
2. Can you have fractions when you calculate the midpoint?
3. Can you use the midpoint formula to find an endpoint, if you know the other endpoint and the midpoint?