

Geometry – Unit 7 – Standard G.C.1 – Intro and Explore

1. What is a circle? Write five different definitions that your internet resources provided you.

a. Definition #1:

Source:

b. Definition #2:

Source:

c. Definition #3:

Source:

d. Definition #4:

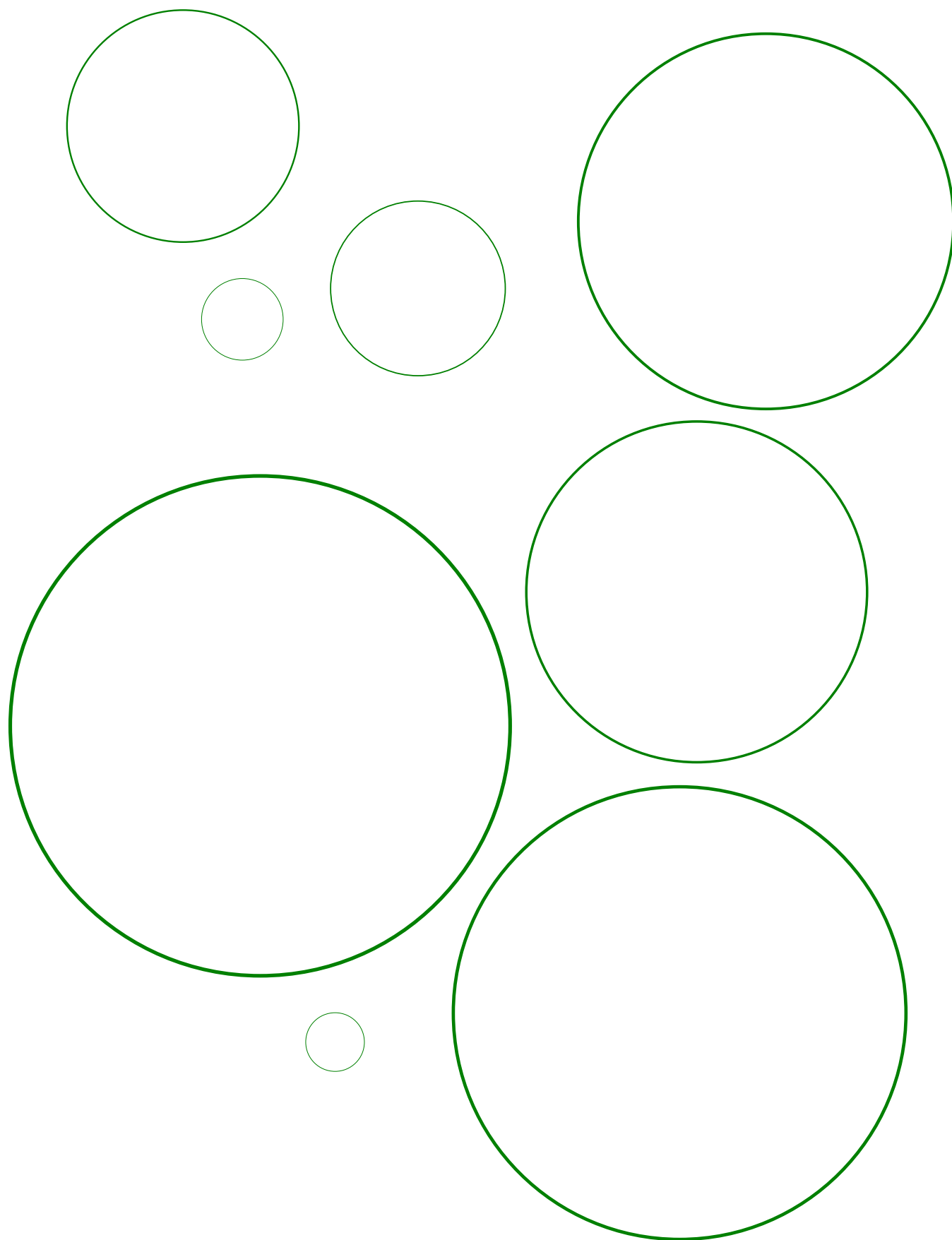
Source:

e. Definition #5:

Source:

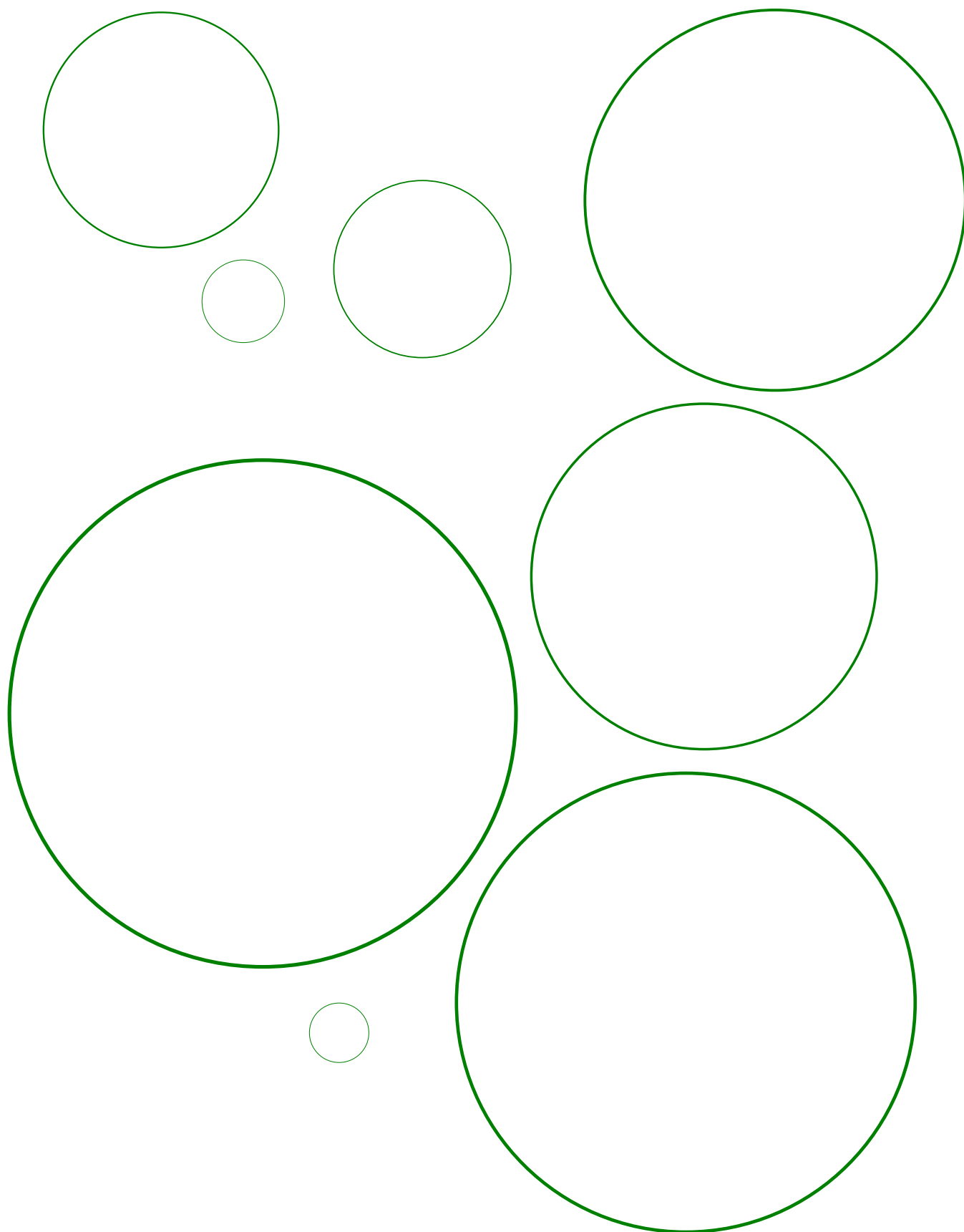
2. Based on all your definitions above, write your own definition for “circle.”

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Here are all those circles again:



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9. Mark those center points again. Should be easier the second time around.

10. On each circle, draw a diameter in green.

11. On each circle, draw a second diameter in blue.

12. On each circle draw a third diameter in red.

13. Measure each diameter and record it in this table.

	Circle A	Circle B	Circle C	Circle D	Circle E	Circle F	Circle G	Circle H
Red								
Blue								
Green								

14. How well did you draw and measure your radii from #5? What are you using as evidence to support your discussion? (Several sentences... maybe three or four seem appropriate here.)

15. Using the 6 measurements you have for each, explore if there is a scale factor relating each of the following pairs of circles.
 - a. Circle A and Circle D

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b. Circle B and Circle F

c. Circle C and Circle A

d. Circle G and Circle D

e. Circle A and Circle E

f. Circle G and Circle B

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I have two circles drawn. I am not going to show them to you, but you know they are circles. (Remember your definition?)

16. Will the two circles that I have drawn be similar?

Make a definite prediction (Yes or No... “Maybe” is not allowed... “I don’t know” is not allowed) and back up your claim with several sentences of support.