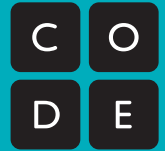
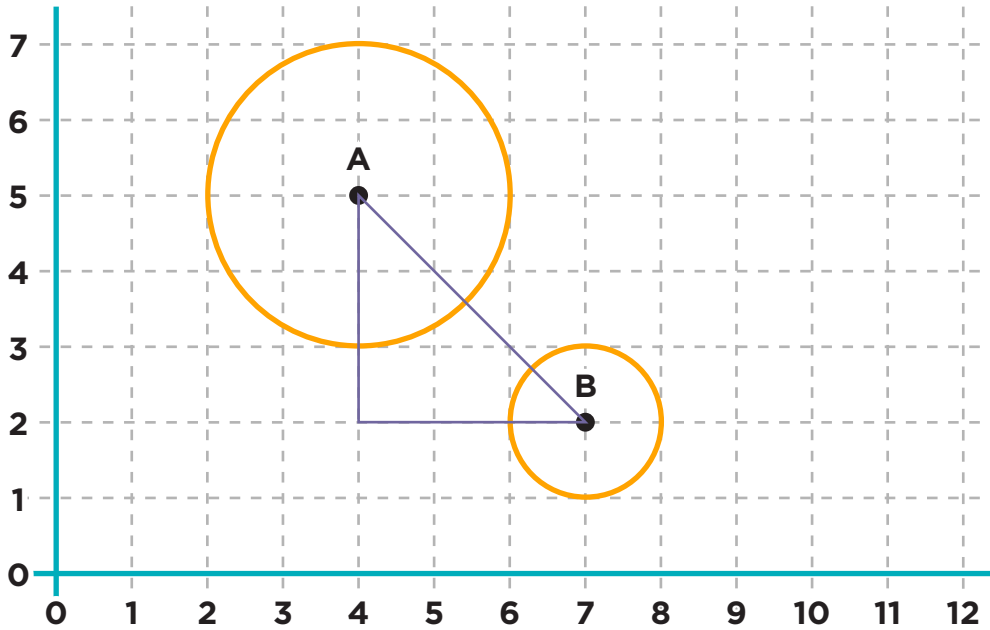


Collision Detection

Code.org Computer Science in Algebra



Graph #1

**On the graph:**

Label the right angle as C

Label segment AB as c

Label segment AC as b

Label segment CB as a

1. What is the radius of circle A? _____

2. What is the radius of circle B? _____

3. What is Radius A + Radius B? _____

4. Do the circles overlap? (true/false) _____

5. What is the length of side a? _____

6. What is the length of side b? _____

7. Estimate the length of side c? _____

8. What is $a^2 + b^2$? _____