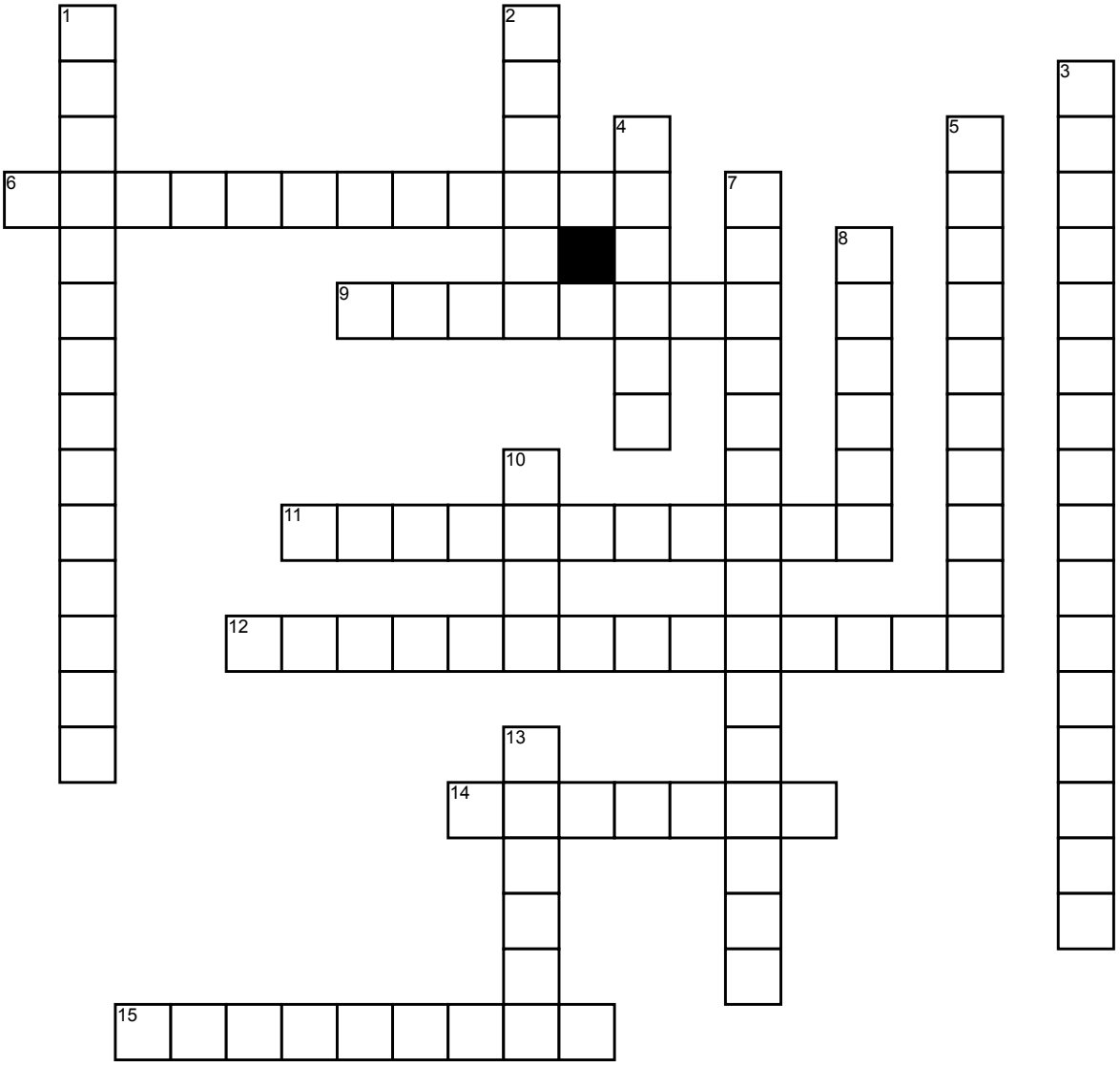
Name: _____ Date: _____

Unit Circle



Across

6. Where the angle ends/stops
9. The ratio of the hypotenuse (in a right-angled triangle) to the side opposite an acute angle; the reciprocal of sine.
11. The ray on the x-axis
12. The smallest angle between the terminal side and the x-axis
14. A line which touches a circle or ellipse at just one point
15. The ratio of the side (other than the hypotenuse) adjacent to a particular acute angle to the side opposite the angle.

Down

1. The part of the circle that lies between two lines that intersect it
2. Function that is equal to the ratio of the side adjacent to an acute angle (in a right-angled triangle) to the hypotenuse.
3. A convention to pick counter-clockwise as positive
4. A line that intersects a circle at two points.
5. A circle with a radius of one
7. Angles that have a common terminal side
8. A unit of angle measure
10. Function that is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse.
13. Describes the plane angle subtended by a circular arc as the length of the arc divided by the radius of the arc