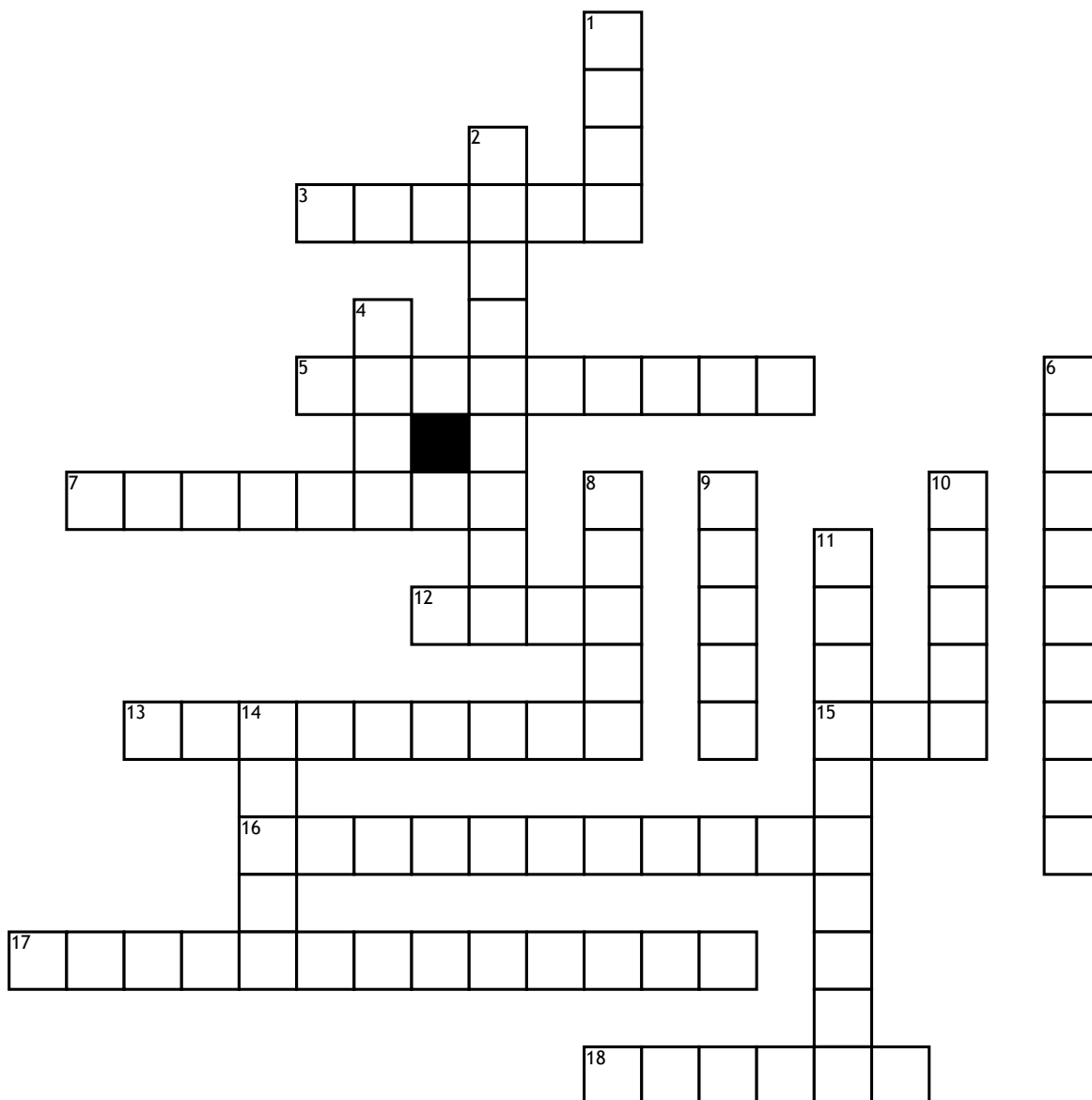# Trig Ratios and Review

[Crossword grid]

Across

3. The leg adjacent over the hypotenuse is the _____.

5. The sine of angle W = .8170 - What is the m < W?

7. The tangent of angle F is the leg opposite over the leg _____.

12. What is the sine of an angle measuring 26 degrees? (to the nearest tenth)

13. If two legs of a right triangle are the same length, their angle measures will always be _____ degrees.

15. What is always the tangent of a 45 degree angle?

16. The length of x in problem 1 is _____ (to the nearest whole number).

17. A _____ ratio is a ratio of the lengths of two sides of a right triangle.

18. When asked to 'solve' for a right triangle, you need to find all missing sides and _____.

Down

1. The sine is the leg opposite over the hypotenuse is the _____.

2. What is the height of the triangle in problem #2 (nearest whole #)

4. What is the cos of 30 degrees to the nearest tenth?

6. The length of y in problem 1 is = _____. (to the nearest whole number)

8. The length of the longer leg of a 30-60-90 triangle is the square root of _____ times the shorter leg.

9. The inverse button for the sin, cos, and tangent, actually gives you the measure of the _____.

10. By the 30-60-90 degree Triangle Theorem, the length of the hypotenuse is _____ the length of the shorter leg.

11. By the 45-45-90 Triangle Theorem, the length of the _____ is the length of a leg times the square root of two.

14. The sin, cos, and tangent buttons give you the _____ of the two sides.