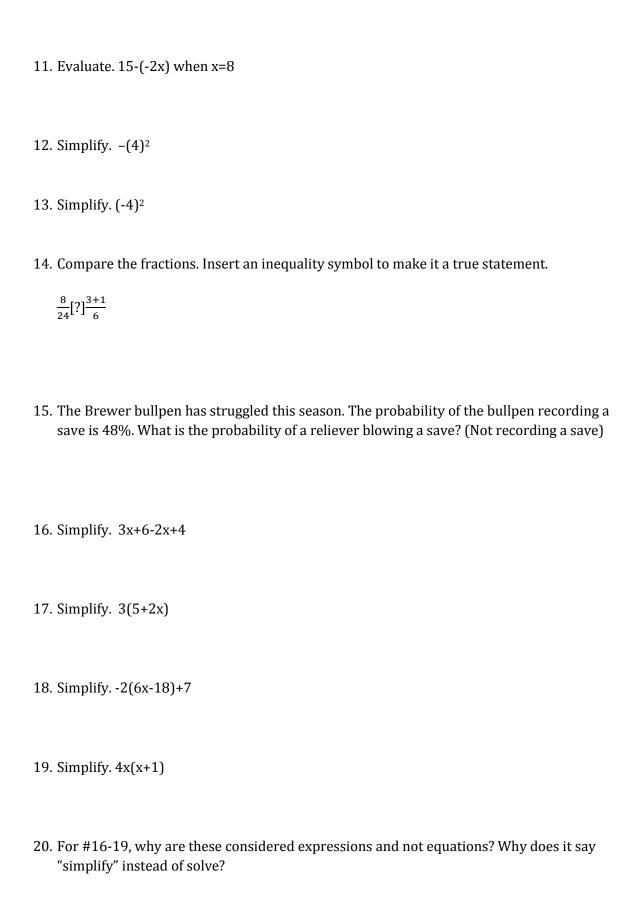
Geometry Review Worksheet: How much do you remember from Algebra?

- 1. What is the order of operations?
- 2. Simplify: 43-[4(6-3)]=
- 3. Simplify: $(8^2+8\times4+9-7)\div4$
- 4. Evaluate when x = 2. $3x^2+x+5$
- 5. Evaluate $\frac{bc}{b+c}$ when b=7 and c=3
- 6. A sweater costs \$35. Find the total cost of the sweater if sales tax is 10%.
- 7. You bought a pair of shoes that were 20% for \$80. What was the original price?
- 8. The low temperature in Alaska was -5°. During the day, the temperature rose 20°. What was the high temperature on Monday?
- 9. Evaluate. |-8 (-7)|
- 10. Solve. $x^2 = -9$



- 21. In algebra, what is meant by the term "variable"?
- 22. Solve for the variable. x-2 = 3
- 23. Solve for the variable. $\frac{5x}{7} = 35$
- 24. Solve for the variable. 4x+8 = -32
- 25. Solve. 9n+20-7n = 42
- 26. Solve. 12 = 4(x-2)
- 27. Solve. x+7 = -3x-2
- 28. Solve. $3+5(x+7)+2x = 3x 8^2+x$
- 29. Solve. 5x-35-2 = 14x+8
- 30. Solve for x. Give all possible solutions.

$$4x^2+3=19$$

	votes more than the loser, how many votes did the loser receive?
32.	Play tickets for two adults and two children cost \$24. A child's ticket costs half as much as an adult's ticket. Find the cost of a child's ticket.
33.	Admission into the Manitowoc County Fair is \$10/person (this includes all rides and entrance into the Grandstand). Admission into the Sheboygan County Fair is: Adult \$5, Children 10-14 \$2, and Under 10 is free. Rides are an additional \$20 for a wristband.
	My family went to the Sheboygan County fair, however, I want to know how much more expensive is it to take my family to the Sheboygan County Fair then the Manitowoc Fair?
	Important info: We only bought two wristbands.
	My family consists of myself, my husband, and three kids who are ages 9, 8, and 5 $\frac{1}{2}$.
	My 5 year old and 8 year old sons also went to the demo derby show with their dad. Prices for this show were \$9 for adults and under 6 Free.

31. In an election between two candidates, 510 votes were cast. If the winner received 380