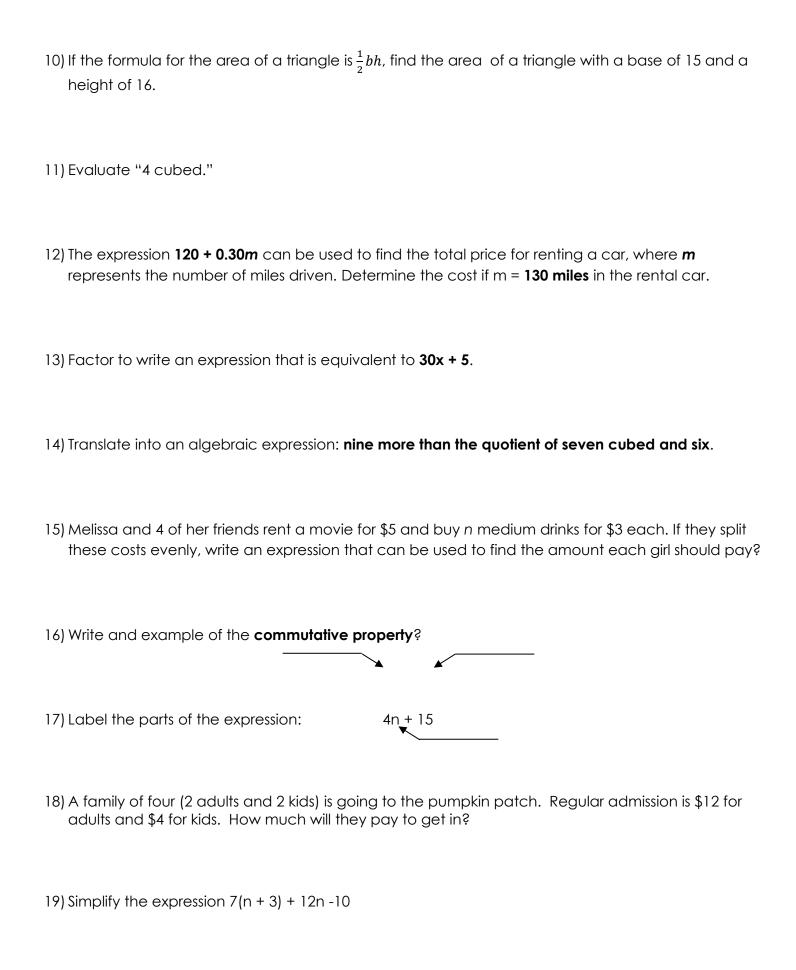
## **ADV Math 6 - Unit 3:** Expressions

Class Period: 1 2 3 4 Date: \_\_\_\_\_

- 1) What is the name of a number that multiplies a variable, such as the "9" in the term "9x"?
- 2) Evaluate:  $(6^2 8 \div 4) + 27$
- 3) Write in exponential form:  $7 \cdot 7 \cdot 7 \cdot 7 \cdot 7 =$
- 4) Evaluate  $3n^2 + 4n n$  if n = 7
- 5) Write an expression that represents "12 more than a number?"
- 6) Simplify this expression by combining like terms:  $7n + 15n^2 + 13n 14n^2 n + 17n^2$
- 7) The cost of seeing a movie is \$8.25 for admission, plus an additional \$2.25 for each snack purchased. Write an expression to represent the cost of seeing a movie and purchasing s snacks.
- 8) Which expression is NOT equivalent to the others?

- A) 7(6+9) B) 42+63 C)  $7 \cdot 15$  D)  $7(6) \cdot 7(9)$
- 9) Apply the distributive property to simplify the expression: 12(17x + 19)



20) What are like terms?