Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Pd\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_

FSA BELLWORK WEEK #6

1. Evaluate, without a calculator, showing every step of your work.

10 – 23

2. Jimmy had to list the coefficients for each term in the following expression: $15x^{2 }$– *x* – 8

His answer was “15.” Did he get it right? Explain.

3. Use the formula *F* = $\frac{9}{5}$ *C* + 32 to convert 28° Celsius (*C*) to degrees Fahrenheit (*F*).

4. Write an expression to represent each phrase below:

 A. Nine plus the quotient of *w* and four

 B. Seven fewer than the product of three and *y*

5. The triangle shown is equilateral, that is, all sides are of equal length.

The length of one side is represented by the expression *x* + 2 so that the perimeter of the triangle can be represented by the expression: $(x+2)+(x+2)+(x+2)$

A. Use the properties of operations to write a second expression that is equivalent to this expression.

B. Explain, using properties of operations, why the two expressions are equivalent.

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Pd\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_

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