**Domain: Expressions 20%**

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| 1.  F.IF.7 | Which expression is equivalent to   1. 24 c. 2. d. 36 |
| 2.  A.SSE.1.b | When Matt is driving his car to work, he usually drives *x* miles per hour. However, when Matt is running late to work, he drives *x* + 15 miles per hour  Which expression represents the distance Matt travels if it takes him *t* minutes to get to work when he is running late in terms of *x* and *t*?   1. c. 2. d. |
| 3.  A.APR.1 | Use the below functions to answer the question, **What is *P*(*x*) – *Q*(*x*)?**  ***P*(*x*) = *x*2 – *x* – 6**  ***Q*(*x*) = *x* – 3**   1. c. 2. d. |
| 4.  A.SSE.2 | Consider the trinomial expression ,  If factored completely, which is equivalent to the expression?   1. c. 2. d. |
| 5.  N.RN.3 | Which of the following expressions represents the sum of a rational number?   1. c. 2. d. |
| 6.  A.SSE.3ab | Given the quadratic function , what are the zeros of the function?   1. c. 2. d. |
| 7.  N.Q.1a | Susan wants to make an investment. The equation represents the investment’s future value. Her investment company is creating a graphical display to represent this situation.  Which of the following would describe the display?   1. The value of the investment is increasing 2. The value of the investment is decreasing 3. Time will be on the vertical axis and the value of the investment will on the horizontal axis 4. The graph should include first and second quadrants to best represents the domain |
| 8.  A.APR.1 | The side of a square is represented by the binomial (2x + 5).  Which of the following simplified expression would represent the perimeter of the square?   1. 2x + 10 2. 8x + 20 |