Read each problem carefully and input your answer in the box on the right. Once you are done, please scroll down to the bottom of the worksheet and click on the FINISHED, then click on CHECK MY ANSWERS. Please redo if you get 8 or less correct. Recheck your answers. You can refresh your screen to reset the worksheet. When you are ready to submit your worksheet, you will need to take a screenshot of it then upload it to Schoology. Read & follow ALL the DIRECTIONS on Schoology if you have done so already.

1. Find the value of $(x^2 - 5x + 4)$ if $x = 7$. 1. _____

2. Find the value of $5x^2$ if $x = -3$. 2. _____

3. If $t = -3$, then $3t^2 + 5t + 6$ equals 3. _____

   A. -36 B. -6 C. 6 D. 18

4. If $x = 3$ and $y = -5$, find the value of $x - y^2$ 4. _____

5. If $a = \frac{b^2 - c}{2}$, find the value of a when $b = 2$ and $c = -4$. 5. _____

6. If $x = 5$ and $y = -2$, what is the value of $\frac{2x - y}{3}$? 6. _____

7. Find the value of $3(ab)^2$ if $a = 2$ and $b = -1$. 7. _____

8. If $a = 1$ and $b = -2$, find the value of $(a - b)^2$. 8. _____

9. When $x = 2$ and $y = 3$, which expression has the *smallest* value? 9. _____

   A. $(x - y)$ B. $x \cdot y$ C. $x + y$ D. $x \div y$

10. If $x = 3$, $y = 4$, and $z = -2$, what is the value of $\frac{x^2 y}{z}$? 10. _____

11. Given the formula $P = K^2 W$, find the value of P if $K = 5$ and $W = -3$. 11. _____

12. Brett was given the problem: "Evaluate $2x^2 + 5$ when $x = 3$." Brett wrote that the answer was 41. Was Brett correct? Explain your answer. 12. _____

LIVEWORKSHEETS