HEROWORK RIDDLER

NAME _____ DATE _____

ORDER OF OPERATIONS (CHALLENGING)

Use the order of operations to simplify. *Sketch or cut/paste the associated image in the correct box.*
Can you solve the riddle?

1. $57 - [(19 + 102) \div (20 - 9)]$

2. $2 \times [(28 - 32) \times (7 + 4)]$

3. $[(68 - 16 \times 3) \div (24 \div 6 - 2)]$

4. $[(2^4 - 13) \times (46 - 3^3)] + 62$

5. $-36 + [(9 - 12)^3 - (17 - 24)^2]$

6. $[(45 - 6^2) \times (7 - 3^2)]^2 - 220$

RIDDLE ME THIS...

I DIDN'T SPEAK UNTIL I WAS 4. I MUST HAVE HAD OTHER THINGS ON MY MIND.

MY NAME HAS BECOME A SYNONYM FOR GENIUS.

SMOOTH MOVE, EH?

WHO AM I?

10	$92/243$	1
-2	$1778/243$	-88
-112	-9	$-1/6$
46	104	119

7. $[(12^2 - 4^3) \div (3^4 - 1)]$

8. $[(-3^2 \times 5 + 9) \div (2^4 - 3 \times 4)]$

9. $\dfrac{29 - 5 \times 3}{2 - 9}$

10. $\dfrac{15^2 \div 25 - 11}{4 \times 3}$

11. $\dfrac{(8^3 - 374) \times 12}{2 \times 3^7}$

12. $\dfrac{7 \times (19^2 - 321 \div 3)}{9^3 \div 3}$