

Name

Directions: Show your work for each question for credit

1. Which expression is equivalent to the expression below?

$$2^3 \cdot 3^4$$

A. $3 \cdot 3 \cdot 4 \cdot 4 \cdot 4$

C. $2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3$

B. $2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3 \cdot 3$

D. $6 \cdot 12$

2. Which of the following is equivalent to $\frac{13}{5}$? *Show your work*

A. 2.4

B. 2.45

C. 2.55

D. 2.6

3. What is the value of $x^2 - y^4$ if $x = -3$ and $y = -2$?

Show your work

A. -7

B. -2

C. 2

D. 7

4. Part A

Simplify: $4(x + 2) - 2x + 2$

Show your work

Answer _____

Part B

Evaluate your answer for Part A if $x = -3$

Show your work

Answer _____

5. Solve the equation for p

Show your work

$$5p - 14 = 8p + 4$$

Check your answer

Answer _____