

Name .....

# Spiral Review 5

**Directions: Show your work for credit.**

1. What is  $1.0315 \times 10^6$  written in standard notation?

*Show your work*

- a. 1,031,500
- b. 103,150
- c. 0.000010315
- d. 0.0000010315

2. Solve:  $6(d+6) = 4(d-6) + 2d$

*Show your work*

- a.  $d = -5$
- b.  $d = -60$
- c. No solution
- d. Infinitely many solutions

3. What is 12,325 written in scientific notation?

*Show your work*

- a.  $1.2325 \times 10^{-4}$
- b.  $12.325 \times 10^3$
- c.  $1.2325 \times 10^4$
- d.  $1.2325 \times 10^5$



4. Solve the following equation for the value of x :

$$\frac{1}{2} (x - 6) + 1 = 2 (x - 10) - 3$$

*Show your work*

- A** x = 0
- B** x = 14
- C** No Solution
- D** An infinite amount of solutions

5. Is  $(17^3)^4 \bullet 17^{-4}$  equal to  $17^8$ ? Explain why or why not.

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