Name: _____

1. **Vocabulary** Describe the relationship between the base and the exponent in 4^3. *Lesson 3-1*

In 2–5, select *True* or *False* to describe each statement. *Lesson 3-2*

	True	False
2. The GCF of 12 and 28 is 4.	☐	☐
3. The GCF of 18 and 84 is 9.	☐	☐
4. The LCM of 12 and 6 is 6.	☐	☐
5. The LCM of 4 and 8 is 8.	☐	☐

6. Draw a line to match each numerical expression on the left with an equivalent number on the right. *Lesson 3-3*

$0.5^2 \times (20 - 2^2 \times 3) \times \left(\frac{2}{5} \times 25\right)$ 18

$2[(14 - 3) + 4^3 \div 4] - 2.5 \times 12$ 20

$9 + 12 \div \frac{2}{3} - 3^3 \div 3$ 24

7. Which expressions are equal to $\left(\frac{2}{3}\right)^2$? Select all that apply. *Lesson 3-1*

☐ $\frac{4}{9}$ ☐ $\frac{4}{3}$ ☐ $\frac{1}{3} \times \frac{1}{3}$ ☐ $\frac{1}{9} \times 4$ ☐ $\frac{2}{3} \times \frac{2}{3}$

8. Liam bought 2 vintage movie posters, 2 rock posters, and 1 rap poster. He applied a $35 gift card to the total purchase and a $\frac{1}{2}$-off coupon to the rap poster. Write and evaluate a numerical expression to show how much Liam paid for the posters. *Lesson 3-3*

Poster Prices	
Vintage Movie	$28.50
B Movie	$18.25
Rock	$29.75
Rap	$19.50

9. Eva and Jin are new volunteers at the animal shelter. If they both volunteer on the first day of the month, in how many days will they volunteer on the same day again? *Lesson 3-2*

Animal Shelter Volunteers	
Eva	Every 3 days
Jin	Every 5 days

How well did you do on the mid-topic checkpoint? Fill in the stars.

☆☆☆