Expressions Mid Chapter Test STUDY GUIDE Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What is the value of (63 – 16) + 7(24)?
2. Which expression has the greatest value if x = 50?
   1. 20/x
   2. 2/x
   3. 20 – x
   4. 2 – x
3. Zara buys *x* pounds of apples for 35 cents per pound. She pays the clerk with a fifty-dollar bill. The clerk subtracts the total cost of the apples from the fifty-dollar bill to determine the amount of change to give Zara. Which expression represent the amount of change Zara should receive?
   1. 0.35p – 50
   2. 50 – 35p
   3. p – 50
   4. 50 – 0.35p
4. Which expression is equivalent to 15y + 8 – 2y – 14
   1. 17y + 22
   2. 13y + 22
   3. 13y – 6
   4. 13y + 6
5. A triangle has side lengths of (4.7x + 3.2y) inches, (3.9x – 4.1z) inches and (5.7y + 9.5z) inches. What is the perimeter of the triangle?
6. James owns a candy store.

* He sells Jolly Rancher for $0.30 each and Starbursts for $0.45 each.
* James buys each Jolly Rancher for $0.15 each and each Starburst for $0.20 each.

Which expression represents how much money James gains from selling *j* Jolly Ranchers and *s* Starbursts?

* 1. $0.45j + $0.65s
  2. $0.75js
  3. $0.65s - $0.45j
  4. $0.15j + $0.25s

1. What is the value of (-7m + ½)3 if m = 0?
2. Kim bought green beans at the market. Green beans cost $1.28 per pound.
   1. Part A: Write an expression to represent the cost of x pounds of green beans.
   2. Part B: How much would it cost to buy 3.6 pounds?
3. What is the value of each expression?
   1. 2,398 ÷ 10 = \_\_\_\_\_\_\_\_\_\_\_
   2. 2,398 ÷ 102 = \_\_\_\_\_\_\_\_\_\_\_
   3. 2,398 ÷ 103 = \_\_\_\_\_\_\_\_\_\_\_
   4. 2,398 ÷ 104 = \_\_\_\_\_\_\_\_\_\_\_
   5. 2,398 ÷ 105 = \_\_\_\_\_\_\_\_\_\_\_
4. Sally is using the expression in class. What is the value of the expression when g = -12 and h = .
5. Find the value of this expression:
6. Identify the parts of the expression. 13. Identify the parts of the expression.

9m – 7m2 + 14 -9x + 6y – 8 – y

Terms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Terms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Like Terms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Like Terms: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Coefficients: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Coefficients: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Constants: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Constants: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_