Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_ Score \_\_\_\_\_

**MGSE6.EE. 2C Quiz**

**E**valuate each algebraic expression for the given values of the variables.

1. $6y-5 $; y = 7
2. $4x^{2}+3x$ ; x = 6
3. $\frac{56}{x}+3y$ ; x = 4 and y = 3
4. 36y + 9 ; y = $\frac{1}{6}$
5. $26+x^{2}-2^{3};x=8 $
6. $3m^{3}+\frac{y}{5} ;m=2 and y=35$
7. Colton earns $7 per hour plus $1.50 for each pizza delivery. The expression $7h+1.50d$ can be used to find the total earnings after *h* hours and *d* deliveries have been made. How much money will Colton earn after working 15 hours and making 8 deliveries?
8. The expression $7d $gives the number of days in *d* weeks. Evaluate $7d $for *d* = 12. How many days are in 12 weeks?
9. The expression $4s $can be used to find the perimeter of a square where $s$ represents the length of a side. What is the perimeter of a square with side lengths of 26.2 inches?
10. As a member of a music club, you can order CDs for $14.99 each. The music club also charges $4.99 for each shipment. The expression $14.99n+4.99$ represents the cost of $n $CDs. Find the total cost for ordering 3 CDs.