UNIT 13 EXERCISES 1-5

SYSTEM OF EQUATIONS

2006A 1. Sandwiches at Joe's Fast Food cost \$3 each and sodas cost \$2 each. How many dollars will it cost to purchase 5 sandwiches and 8 sodas?

(A) 31 **(B)** 32 **(C)** 33 **(D)** 34 **(E)** 35

2003A 2. Members of the Rockham Soccer League buy socks and T–shirts. Socks cost \$4 per pair and each T–shirt costs \$5 more than a pair of socks. Each member needs one pair of socks and a shirt for home games and another pair of socks and a shirt for away games. If the total cost is \$2366, how many members are in the League?

(A) 77 **(B)** 91 **(C)** 143 **(D)** 182 **(E)** 286

2013A

2010B

3. A ticket to a school play costs x dollars, where x is a whole number. A group of 9^{th} graders buys tickets costing a total of \$48, and a group of 10^{th} graders buys tickets costing a total of \$64. How many values for x are possible?

(A) 1 **(B)** 2 **(C)** 3 **(D)** 4 **(E)** 5

2012B

2014B

4. Susie pays for 4 muffins and 3 bananas. Calvin spends twice as much paying for 2 muffins and 16 bananas. A muffin is how many times as expensive as a banana?

(A) $\frac{3}{2}$ **(B)** $\frac{5}{3}$ **(C)** $\frac{7}{4}$ **(D)** 2 **(E)** $\frac{13}{4}$

2007B

4. At Frank's Fruit Market, 3 bananas cost as much as 2 apples, and 6 apples cost as much as 4 oranges. How many oranges cost as much as 18 bananas?

(A) 6 **(B)** 8 **(C)** 9 **(D)** 12 **(E)** 18

2004B

5. On a trip from the United States to Canada, Isabella took d U.S. dollars. At the border she exchanged them all, receiving 10 Canadian dollars for every 7 U.S. dollars. After spending 60 Canadian dollars, she had d Canadian dollars left. What is the sum of the digits of d?

(A) 5 **(B)** 6 **(C)** 7 **(D)** 8 **(E)** 9