**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CHAPTER 3 QUIZ 1 REVIEW**

**LESSONS 1 AND 2**

**Simplify each variable expression.**

1. $-\frac{15}{4}b+ \frac{5}{6}b$ 2) $4\left(5.8-9x\right)+8.2+22x$

3) $4\left(\frac{1}{2}d+4\right)+1-16+d$ 4) $\frac{5}{3}x\left(5x+9\right)+\frac{4}{5}(1-9x)$

**Find the sum or difference.**

5) $4\left(2.5g-4\right)+3(1.2g-2)$ 6) $-\left(18j+45\right)+\frac{1}{4}(16j-12)$

7) You are selling tickets to a play. You have sold $(3r+2)$ tickets for $5 each and $(2r+5)$ tickets for $7 each.

a) Write an expression that represents the total number of tickets sold so far.

b) Write an expression that represents the total amount of money received for the tickets sold so far.

8) The length of a rectangular field is 30 more than twice its width. Draw a diagram of the field. Write an expression in simplest form for the perimeter of the field in terms of its width *w*.