1. The Lions won 16 games last year. This year the Lions won 20 games. What is the percent increase in the number of games the Lions won from last year to this year?

2. Simplify the expression:

 $-3.5 + 6.2w+ 1\frac{2}{2}w- 12.4$

3. What is the value of the expression below?

$$\frac{3}{8}+\left(-\frac{4}{5}\right)+\left(-\frac{3}{8}\right)+\frac{4}{5}$$

4. A crew of highway workers paved $\frac{2}{15}$ mile in 20 minutes. If they work at the same rate, what portion of a mile will they pave in one hour?

5. Write an expression that represents the sum of (2*x* − 5*y* ) and (*x* + *y* )?

6. David bought a computer that was 20% off the regular price of $1,080. If an 8% sales tax was added to the cost of the computer, what was the total price David paid for it?

7. Last week Len spent $18 to bowl 4 games. This week he spent $27 to bowl 6 games. Len owns his bowling ball and shoes, so he only has to pay for each game that he bowls. If each of these bowling games costs the same amount of money, what is the constant of proportionality between the money spent and the number of games played?

8. Cleo wants to join a gym. There is an initiation fee of $24.99, and each month of membership costs $12.50. If Cleo pays $174.99, how long will his membership last?