

1. If the length of a rectangular parking lot is 3 times its width and its perimeter is 840 yards, what is the length of the parking lot, in yards ?
2.  $F(x) = x^2 - 5$ . If  $f(6) - f(4) = f(y)$ , what is the absolute value of  $y$ ?
3. There are 250 students in 10<sup>th</sup> grade at Northgate High School. All 10<sup>th</sup> graders must take French or Spanish, but not both. If the ratio of males to females in 10<sup>th</sup> grade is 2 to 3, and 80 of the 100 French students are male, how many females take Spanish?