

## 2.4 Word Problem Homework

Instructions: You get to choose any 3 of the first six problems to complete. You are required to show work and an equation that you used to solve each of the problems of your choosing. Everyone must attempt the challenge problem. You may work on any of the problems but circle the numbers of the problems you want me to grade. If you do not circle any numbers, I will grade the first three problems, even if there's nothing there.

1. In previous years students were allotted 200 points for signing their name on the SAT. If 20 points were given for each correct question, find how many correct answers are needed to score a 900 on the SAT. Assume that the student did sign their name.
2. A four-day pass to Lollapalooza is roughly 400 dollars. If your hotel costs 215 dollars per night, find the total cost of your festival trip if you arrived on the first day of the festival and left Chicago on the last day.
3. In 1989 Deion Sanders signed his rookie contract with the Atlanta Falcons. His contract included a one-time signing bonus of 2 million dollars along with a yearly salary of four- hundred and fifty thousand dollars. In his five-year career with the falcons how much money did sanders make?
4. With the Battle Pass in Fortnite players earn 100 V-Bucks every eight levels. If you still have 700 V-Bucks in your account from last season, how many levels would it take to afford the Tomato Head skin costing 1500 V-Bucks?
5. The limited-edition Kylie Birthday Eye Palette sells for sixty-five dollars. If you have 150 dollars to spend on make-up, how many tubes of Kylie lipstick can you purchase with your eye kit if the lipstick is seventeen dollars per tube.
6. With less than a month before Homecoming you mom tells you she will not be buying your homecoming dress. You have sixty dollars stashed away from your birthday and have an awesome job at McDonald's. Working for 8.25 an hour how many hours would you have to work to afford your 250-dollar dream dress? (Don't worry about taxes.)
7. Challenge Question A local pizza shop is offering a special were there large pizzas are 6 dollars with a single topping, and 1.25 more with each additional topping. The ad specifies that you must get a minimum of at least on topping (cheese not included as a topping). Create an equation that would represent the prices for varying toppings.