

Name: _____ Class: _____ Date: _____

8th Grade Pre-Algebra Section 8.2 Part 2 Worksheet

1. Kaleigh has \$25. She plans to save \$7.50 each week. Write and solve an equation to find the number of weeks it will take Kaleigh to save \$250.

2. The cost of a family membership at a health club is \$125 to join and \$45 per month. The Johnson family budgets \$800 to use the health club. Write and solve an equation to find the number of months the family can use the club.

3. Tenisha bought some gel pens that cost \$1.29 each. She also bought a notebook for \$3.29. She spent a total of \$10.04 on these items. Write and solve an equation to find the number of gel pens she bought.

4. Draven's computer downloads files at a rate of 220 kilobytes per second. The computer has already downloaded the first 550 kilobytes of a 2310-kilobyte file. Write and solve an equation to find the number of seconds it will take to download the rest of the file.

5. The perimeter of the triangle is 22 inches. One side is x inches, another side is $(x + 3)$ inches, and the last side is 9 inches. Write and solve an equation to find the length x of the shortest side of the triangle.