

Name:

Date:

Period:

Solve Algebraically. Show all work

1. Eva bought some shirts for \$17 each and a pair of jeans for \$36. If her total bill was \$87, how many shirts did she buy?

Let x = # of shirts

2. Brendan has \$135 in his bank account. If he saves \$12 a week, in how many weeks will he have \$315?

Let x = # of weeks

3. If 4 times a number is decreased by 28, the result is 36. Find the number.

Let x = the #

4. If three times a number is increased by 42, the result is 30. Find the number.

Let x = the #

5. The Ace Music Company charges \$14 for each CD ordered plus \$6.50 for postage and handling. If Sara ordered some CD's and her total bill was \$76.50, how many CD's did she order?

Let x = # of CD's

6. An appliance repairman charges \$20 for a house call, plus \$42 an hour for labor. How many hours did he work repairing Mrs. Marino's oven if he charged her \$125 for the job?

Let x = _____

7. Three containers of orange juice and 2 containers of milk cost a total of \$8.45. If a container of milk costs \$1.39, how much does a container of orange juice cost?

Let x = _____

8. Deanna bought 5 pencils at \$0.16 each and 3 pens. If she spent \$4.40 altogether, what was the cost of one pen?

Let x = _____

9. Brett works at movie theater selling popcorn and sodas. During one movie, he sold 75 sodas and 50 boxes of popcorn. The sales totaled \$155. If sodas sell for \$0.90 each, write and solve an equation to find the price of one box of popcorn.

Let x = _____