Algebra Essentials Name_____

Solving Single-Step Equations

Solve each equation.

1) $0 = -3 + a$

2) $63 = -7k$

3) $24 = x - (-6)$

4) $-5 + p = -3$

5) $-32 = -20 + x$

6) $6x = 114$

7) $\frac{m}{3} = -10$

8) $\frac{n}{8} = 6$

9) $4 = r - (-6)$

10) $42 = 14x$

11) $95.956 = -14.9x$

12) $n - 0.5 = 12$

13) $k - (-2.1) = -5$

14) $\frac{k}{5} = \frac{32}{5}$

15) $x + \left(-1\frac{11}{12}\right) = -21\frac{11}{12}$

16) $b - \left(-3\frac{7}{18}\right) = \frac{161}{18}$

17) $\frac{6}{7} = -\frac{8}{7}x$

18) $\frac{7}{3} = -2\frac{1}{3}m$

Write an equation to represent each situation. Then solve the equation.

19) Lea ran 31.8 miles less than Ming last week. Lea ran 14.8 miles. How many miles did Ming run?

20) James paid $8 for a pizza. He now has $32. With how much money did he start?

21) For washing the car Beth was given $19.87. Now she has $39.64. How much money did she have before?

22) The wind blew away 12 of your muffins. That was $\frac{3}{4}$ of all of them! With how many did you start?

23) Amy wants to buy a tie for $31.97. She gives the cashier $40. What is her change?

24) Darryl bought seven fancy pens for a total of $42. How much did each pen cost?