1. $3 x-2=7$
2. $-2 x+1=-5$
3. Answers may vary. Sample: Add 8 to each side.
4. Answers may vary. Sample: Add 5 to each side.
5. Answers may vary. Sample: Add 12 to each side.
6. Answers may vary. Sample: Subtract 9 from each side.
7. about 56
8. -1
9. -4
10. 3
11. 4
12. -3.4
13. 5
14. -16
15. 338 16. 27
16. $4 x+5=68.96$; $\$ 15.99$
17. $0.39 p+1.19=3.92 ; 7$ pencils
18. Yes; one can of beans costs $\$ .89$, so it will cost a total of $\$ 8.22$ to buy another can.
19. Wendy's; Ben did not use the Dist. Prop.
20. 11 mg
21. Round 39.95 to 40 and 105.65 to 100. Solve $6 p+40=100$.

The solution is $p=10.24 .27$ is not reasonable.
23. Check students' work.

$$
\begin{aligned}
7 b+3 & =24 \\
7 b+3-3 & =24-3 \text { Subtr. Prop. of Eq. } \\
\frac{7 b}{7} & =\frac{21}{7} \text { Div. Prop. of Eq. } \\
b & =3
\end{aligned}
$$

24. 117
25. -6
26. 12.6
27. 1
28. -19.8
29. 4.2
30. a. $60+6 x=200,23 \frac{1}{3} h ;$ $9 x=200,22 \frac{2}{9} h$
b. In the first equation, you need to subtract 60 and then divide by 6. In the second equation, you need only to divide each side by 9 .
31. $x=7$; It is the same. You could avoid working with decimals.
32. A
33. H
34. B
35. 22.8 m
