**One-step equations: For #1 − 10, solve for the given variable.**

1. 

2. 8 = -6 + *z*

3. -65 = 5*r*

4. *h* + 2 = -4

5. -12 = *c* – 4

6. 

7. -5*y* = -45

8. -3*s* = 15

9. 5 = -5 + *x*

10. -18 = 3*k*

**In #11 − 13, write an algebraic expression for the problem and solve.**

11. Redondo Bike Rental Shop charges 14 dollars plus 9 dollars an hour for renting a bike. Jason paid 86 dollars to rent a bike. How many hours did he pay to have the bike checked out?

12. On Monday, 375 students went on a trip to the zoo. All 8 buses were filled and 7 students had to travel in cars. How many students were in each bus?

13. Jennifer bought a soft drink for 2 dollars and 5 candy bars. She spent a total of 27 dollars. How much did each candy bar cost?

**Multi-step equations: For #14 − 22, solve for the given variable.**

14. 6*a* + 5*a* = -11

15. -6*n* – 2*n* = 16

16. 4*x* + 6 + 3 = 17

17. 0 = -5*n* – 2*n*

18. 6*r* – 1 + 6*r* = 11

19. *r* + 11 + 8*r* = 29

20. -10*p* + 9*p* = 12

21. 42 = 8*m* + 13*m*

22. *a* – 2 + 3 = -2

**Distributive, multi-step equations: In #23 − 30, solve for the given variable.**

23. 4(*x* + 3) = 1

24. 18 = 3(3*x* – 6)

25. 30 = -5(6*n* + 6)

26. 10(1 + 3*b*) = -20

27. 37 = -3 + 5(*x* + 6)

28. -13 = 5(1 + 4*m*) – 2*m*

29. 8(4*k* – 4) = -5*k* – 32

30. -11 – 5*a* = 6(5*a* + 4)