Solve each equation if $x \in \{0,1,2,3,4,5\}$.

1. $x + 3 = 7$

2. $5 + x = 9$

3. $x - 3 = 2$

4. $x - 1 = 3$

5. $6 - x = 1$

6. $5 - x = 2$

7. $x + 3 = 3$

8. $x + 2 = 5$

9. $2x = 8$

10. $3x = 12$

11. $4x = 0$

12. $x \div 2 = 1$

13. $\frac{1}{2}x = 1$

14. $x \cdot x = 16$

15. $x(5 - x) = 6$

Translate each phrase into a variable expression. Use n for the variable.

16. Five more than a number

17. The product of 7 and a number

18. A number divided by 4

19. Seven less than a number

20. The sum of 3 and a number

21. A number decreased by 8

22. A quotient of a number and 3.

23. The difference between a number and 6.

24. Nine times a number

25. The difference between 9 and a number.

26. Four more than half a number.

27. Two less than 4 times a number.

28. Four more than three times a number

29. Nine increased by twice a number.

30. Eight times the sum of a number and 2.

31. Seven times the difference of a number and 5

Complete each statement with a variable expression.

32. Lisa is 2 cm taller then Fred. If Fred's height is f cm, then Lisa's height is __?__ cm.

33. Annie is 7 inches shorter than Rick. If Rick's height is r in., then Annie's height is __?__ in.

34. Shawn has $6 more than Maria. If Maria has m dollars, then Shawn has __?__ dollars.

35. Barb has twice as much money as Carlos. If Carlos has c dollars, then Barb has __?__ dollars.

Complete each statement with a variable expression.

36. The sum of two numbers is 9. If one number is n, then the other number is ____ .

37. The sum of two numbers is 12. If one number is x, then the other number is ____ .

38. The product of two numbers is 15. If one number is y, then the other number is ____ .

39. The product of two numbers is 20. If one number is w, then the other number is ____ .