Translating Algebraic Phrases (F)

Name: _____ Date: _____

Write an algebraic expression for each phrase.

1. three fifths of a number r is subtracted from fifty-three _____
2. thirty-four times the cube of the difference of a number t and eighty-two _____
3. the sum of a number d and ninety-four divided by sixteen _____
4. the sum of a number q and its cube _____
5. the product of a number f and itself _____
6. a number y squared plus twice the same number minus seventy-two _____
7. the sum of a number g and itself _____
8. a number c divided by the square of ninety-eight _____
9. the square root of the difference of a number h and ninety-four _____
10. the quotient of a number b and itself _____
11. the square root of the product of a number j and itself _____
12. four times the square of a number k divided by twenty-eight more than e _____
13. the sum of a number v and fifty-five to the power of four _____
14. a number w multiplied by itself six times _____
15. half of the square root of a number m _____
16. eighty-nine times the sum of a number s and sixty-seven _____
17. the sum of one sixth of a number n and five _____
18. the product of a number z plus forty and the same number minus seventy-three _____
19. the square of the quotient of a number p and six _____
20. the product of a number x and sixty is divided by fifty-eight _____

Translating Algebraic Phrases (F) Answers

Name: _____ Date: _____

Write an algebraic expression for each phrase.

1. three fifths of a number r is subtracted from fifty-three — $53 - \frac{3}{5}r$
2. thirty-four times the cube of the difference of a number t and eighty-two — $34(t - 82)^3$
3. the sum of a number d and ninety-four divided by sixteen — $\frac{d+94}{16}$
4. the sum of a number q and its cube — $q + q^3$
5. the product of a number f and itself — f^2
6. a number y squared plus twice the same number minus seventy-two — $y^2 + 2y - 72$
7. the sum of a number g and itself — $2g$
8. a number c divided by the square of ninety-eight — $\frac{c}{98^2}$
9. the square root of the difference of a number h and ninety-four — $\sqrt{h - 94}$
10. the quotient of a number b and itself — 1
11. the square root of the product of a number j and itself — j
12. four times the square of a number k divided by twenty-eight more than e — $\frac{4k^2}{e+28}$
13. the sum of a number v and fifty-five to the power of four — $(v + 55)^4$
14. a number w multiplied by itself six times — w^6
15. half of the square root of a number m — $\frac{\sqrt{m}}{2}$
16. eighty-nine times the sum of a number s and sixty-seven — $89(s + 67)$
17. the sum of one sixth of a number n and five — $\frac{1}{6}n + 5$
18. the product of a number z plus forty and the same number minus seventy-three — $(z + 40)(z - 73)$
19. the square of the quotient of a number p and six — $\left(\frac{p}{6}\right)^2$
20. the product of a number x and sixty is divided by fifty-eight — $\frac{60x}{58}$