SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Translate the expression into a word phrase.
1) \( x + 10 \) 1)

Translate the word phrase into an algebraic expression.
2) The difference between some number and 18.6 2)
3) 8 times a number divided by k 3)

Solve.
4) Suppose that you have \( c \) credits. Your roommate has 5 less credits than you. How many credits does your roommate have? 4)

Translate the sentence to an equation.
5) \( r \) decreased by 4 yields 30. 5)
6) 6 minus \( q \) is equal to 16. 6)
7) The sum of \( \frac{13}{4} \) and \( d \) is 9. 7)

Indicate whether the value of \( x \) shown is a solution to the given equation.
8) \( p + 8 = 18; \) \( x = 10 \) 8)
9) \( x - 0.8 = 8; x = 7.2 \) 9)
10) \( x + \frac{2}{7} = 5; x = \frac{33}{7} \) 10)

Identify the operation to perform on each side of the equation to isolate the variable.
11) \( 9 = r + 2 \) 11)
12) \( h - 4 = 13 \) 12)
13) \( 18 = w - 8 \) 13)

Translate the sentence into an equation, then solve.
14) A number minus 3 is 7. 14)
15) You are travelling and notice you have driven 198 miles. The odometer reading at this point is 42,275. Write an equation to describe the change in the odometer reading.

16) At the end of a woman’s pregnancy, she had gained 43 pounds to weigh 155 pounds. Find her original weight.

17) A third of q equals 4.

18) A number divided by 4 equals \( \frac{2}{7} \)

19) \( 38 = 19t \)

20) \( \frac{r}{7} = 8.7 \)

21) \( 5x = \frac{1}{3}, x = \frac{1}{15} \)

22) \( \frac{x}{5} = 15, x = 3 \)

23) \( 4x = 12 \)

24) \( 3 = \frac{r}{1.3} \)

25) The product of 3 and a number \( x \) equals 18.

26) 6 is equal to the quotient of \( r \) and 7.1.

27) You plan to purchase a $554 bike 5 months from now. Write an equation to describe the amount of money you must save per month in order to buy it.