Review Exercise Set 4

Exercise 1: Solve $5x - 17 = 8$.

Exercise 2: Solve $w + 8 = 20$.

Exercise 3: Solve. Fifteen added to a number is equal to forty-three. Find the number.

Exercise 4: Solve. A number decreased by fourteen equals to seventy-two. Find the number.

Exercise 5: Solve. The distance from Houston to Austin is 160 miles, which is twice the distance from San Antonio to Austin. Find the distance from San Antonio to Austin.

Review Exercise Set 4 Answer Key

Exercise 1: Solve 5x - 17 = 8.

5x - 17 = 8
5x - 17 + 17 = 8 + 17
5x = 25
5x ÷ 5 = 25 ÷ 5
x = 5

Exercise 2: Solve w + 8 = 20.

w + 8 = 20
w + 8 - 8 = 20 - 8
w = 12

Exercise 3: Solve. Fifteen added to a number is equal to forty-three. Find the number.

x = a number
x + 15 = fifteen added to a number

x + 15 = 43
x + 15 - 15 = 43 - 15
x = 28

Exercise 4: Solve. A number decreased by fourteen equals to seventy-two. Find the number.

x = a number
x - 14 = a number decreased by fourteen

x - 14 = 72
x - 14 + 14 = 72 + 14
x = 86

Exercise 5: Solve. The distance from Houston to Austin is 160 miles, which is twice the distance from San Antonio to Austin. Find the distance from San Antonio to Austin.

160 = distance from Houston to Austin
x = distance from San Antonio to Austin

distance from Houston to Austin = 2 * (distance from San Antonio to Austin)
160 = 2 * (x)
160 = 2x
160 ÷ 2 = 2x ÷ 2
80 = x

The distance from San Antonio to Austin is 80 miles.