Review Exercise Set 9

Exercise 1: Solve for x.

\[ x + 3 = 9 \]

Exercise 2: Solve for x.

\[ x - 8 = 21 \]

Exercise 3: Solve for y.

\[ 7y = -21 \]

Exercise 4: Negative three times a number equals thirty-three. Find the number.

Exercise 5: The cost of a textbook today is $10 lower than the cost last semester. The cost of the textbook today is $35. What was the cost of the textbook last semester?
Review Exercise Set 9 Answer Key

Exercise 1: Solve for x.

\[ x + 3 = 9 \]
\[ x + 3 - 3 = 9 - 3 \]
\[ x = 6 \]

Exercise 2: Solve for x.

\[ x - 8 = 21 \]
\[ x - 8 + 8 = 21 + 8 \]
\[ x = 29 \]

Exercise 3: Solve for y.

\[ 7y = -21 \]
\[ 7y ÷ 7 = -21 ÷ 7 \]
\[ y = -3 \]

Exercise 4: Negative three times a number equals thirty-three. Find the number.

\[ x = \text{a number} \]
\[ -3x = \text{negative three times a number} \]

\[ -3x = 33 \]
\[ -3x ÷ -3 = 33 ÷ -3 \]
\[ x = -11 \]

Exercise 5: The cost of a textbook today is $10 lower than the cost last semester. The cost of the textbook today is $35. What was the cost of the textbook last semester?

\[ x = \text{cost of textbook last semester} \]
\[ x - 10 = \text{cost of textbook today} \]

\[ x - 10 = 35 \]
\[ x - 10 + 10 = 35 + 10 \]
\[ x = 45 \]

The cost of the textbook last semester was $45.