Operations on Integers

Choose correct answer(s) from the given choices

(1) Simplify

$$\frac{3066}{-42} - \frac{3723}{-51} - \frac{3848}{-52}$$

a. 72

b. 75

c. 79

d. 74

(2) The sum of two integers is a/an:

a. Prime Number

b. Rational Number

c. Integer

d. Fraction

(3) Sachin is in the process of making ice cream. He has heated all the ingredients to $50°C$ and put them in a refrigerator to freeze. If the cooling rate is $9°C$ per hour, what will be the temperature in the freezer after 12 hours?

a. $-158°C$

b. $158°C$

c. $-58°C$

d. $58°C$

(4) Which of the following is true?

a. $27 \div 0 = 27$

b. $0 \div 27 = 3$

c. $27 \div 1 = 0$

d. $27 \div 1 = 27$

Fill in the blanks

(5) Divide :

A) 153 by -17 = _____

(6) What will be the sign (answer : positive or negative) of the product if we multiply together :

A) 22 negative integers and 10 positive integers = _____

(7) Find the value of following expression:

A) $(-114) - 146 - 144 - (-14) - 32 - (-72) - 17 =$ _____

Answer the questions

(8) Neha ended round one of a game show with 300 points. In round two, she scored 200 points in the music category and in the third round, she lost 100 points. What was her total score at the end of the third round?

(9) Find the additive inverse of each of the following integers:

A) -63644 = _____

B) 44304 = _____