#1

Choose the best answer

Grace, the mountain woman, records her altitude as -40 feet before her trek and -30 feet at the end of her trek. What was her change in altitude?

○ -70 ○ -10

○ 10 ○ 70 Show your work

#2

Choose the best answer

Lily likes to keep her house a consistent temperature and is upset to find a change when moving from upstairs to downstairs. If the temperature downstairs is 30 degrees and the temperature upstairs is 40 degrees, then what integer represents the temperature change that Lily experienced?

○ -70 ○ -10

○ 70 ○ 10 Show your work

#3

Choose the best answer

Michael the scientist is tracking daily temperature changes for his study on parakeet migration. He records -20 degrees in the morning and -30 degrees in the evening. What is the total temperature change for that day?

○ -10 ○ 10

○ -50 ○ 50 Show your work

#4

Choose the best answer

Jayden wants to know the difference of temperature between inside his house and the outside world. If Jayden measures the temperature at -50 degrees inside the house and then measures the temperature outside to be -10 degrees, then what change in temperature does Jayden experience?

○ 60   ○ −60

○ 40   ○ −40   Show your work

#5

Choose the best answer

Diana lives in Edmonton where the temperature is -30 degrees. She has a cousin, Sarah, in Texas where the temperature is -20 degrees. If Sarah were to fly from Texas to Edmonton, then what temperature change would she experience?

○ −50   ○ 10

○ −10   ○ 50   Show your work

#6

Choose the best answer

A deep sea diver checks their altimeter at -10 feet before entering a cave. At the end of the cave their altimeter reads 10 feet. What integer represents the vertical change the deep sea diver experienced?

○ 20   ○ −20

○ 0   ○ −1   Show your work

#7

Choose the best answer

Noah wants to know the difference of temperature between inside his house and the outside world. If Noah measures the temperature at -20 degrees inside the house and then measures the temperature outside to be 50 degrees, then what change in temperature does Noah experience?

○ −30   ○ 70

○ 30   ○ −70   Show your work

#8

Choose the best answer

At the start of a football game Alyssa has run for -20 yards on the season. At the end of the game the stats for the season say Alyssa has run for -50 yards. How many yards did Alyssa run in the game?

○ 70   ○ −30

○ 30   ○ −70   Show your work

#9

Choose the best answer

Logan wants to know the difference of temperature between inside his house and the outside world. If Logan measures the temperature at 10 degrees inside the house and then measures the temperature outside to be -30 degrees, then what change in temperature does Logan experience?

○ −40   ○ 40

○ −20   ○ 20   Show your work

#10

Choose the best answer

Connor wants to know the difference of temperature between inside his house and the outside world. If Connor measures the temperature at 50 degrees inside the house and then measures the temperature outside to be 40 degrees, then what change in temperature does Connor experience?

○ 10   ○ −10

○ 90   ○ −90   Show your work

#11

Choose the best answer

Sarah lives in Edmonton where the temperature is 10 degrees. She has a cousin, Dahlia, in Texas where the temperature is -10 degrees. If Dahlia were to fly from Texas to Edmonton, then what temperature change would she experience?

○ 0   ○ 20

○ −1   ○ −20   Show your work

#12

Choose the best answer

Makayla loves being at her summer cabin. At her home it is 20 degrees. She travels to her cabin to find it is 30 degrees. What integer represents the change in temperature Makayla experienced?

○ −50   ○ 10

○ −10   ○ 50   Show your work

Question	Answer
#1	choice 3
#2	choice 2
#3	choice 1
#4	choice 3
#5	choice 3
#6	choice 1
#7	choice 2
#8	choice 2
#9	choice 1
#10	choice 2
#11	choice 2
#12	choice 2