EXIT TICKET

# Question 1

The parallelogram below has consecutive angles with measures *a*° and 124°. What is the value of *a*?



 **(A)** 16

 **(B)** 56

 **(C)** 68

 **(D)** 73

 **(E)** 146

# Question 2

When Karla began a driving trip, her car’s odometer read 30 miles. After Karla drove 4 hours, the odometer read 210 miles. Which of the following values is the closest to Karla’s average driving speed, in miles per hour, during those 4 hours?

 **(F)** 38

 **(G)** 45

 **(H)** 53

 **(J)** 70

 **(K)** 90

# Question 3

In the standard (*x*, *y*) coordinate plane, only one parabola of the form y = *a*(*x* – *h*)2 + *k* has *x*-intercepts of –2 and 6. Which of the following equations represents the axis of symmetry of this parabola?

 **(A)** *x* = –2

 **(B)** *x* = 2

 **(C)** *y* = 2

 **(D)** *y* = –2*x* + 6

 **(E)** 6*y* – 2*x* = 0**Question 4**

In a window display at a costume shop, there are 3 mannequins for 1 costume each. To dress these 3 mannequins, Lan has 8 costumes to select from, each of a different style. Selecting from the 8 costumes, Lan can make how many possible display arrangements with 1 costume on each mannequin?

(*Note: The positions of the unselected costumes do not matter.*)

 **(F)** 24

 **(G)** 56

 **(H)** 192

 **(J)** 336

 **(K)** 512

# Question 5

The list of numbers 11, *A*, *B*, 22, 31, and 33 has a median of 20. The mode of the list of numbers is 11. To the nearest whole number, what is the mean of the list?

 **(A)** 18

 **(B)** 19

 **(C)** 20

 **(D)** 21

 **(E)** 22