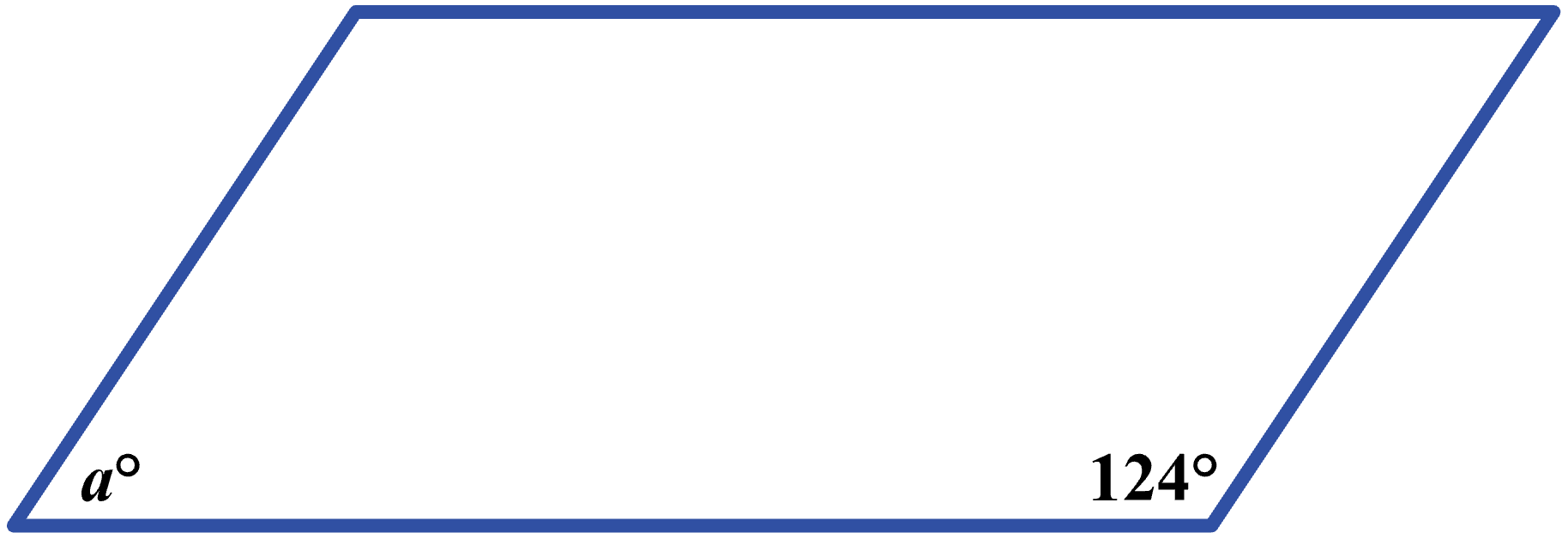
EXIT TICKET

# 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