

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

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) 45
- (G) 53
- (H) 60
- (J) 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) $y = -2x + 6$

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) 336
- (J) 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) 20
- (C) 21
- (D) 22