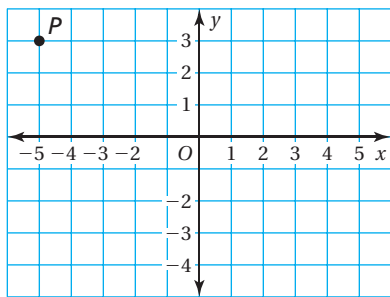


1 Standardized Test Practice

- A football team gains 2 yards on the first play, loses 5 yards on the second play, loses 3 yards on the third play, and gains 4 yards on the fourth play. What is the team's overall gain or loss for all four plays?
 - a gain of 14 yards
 - a gain of 2 yards
 - a loss of 2 yards
 - a loss of 14 yards
- Point P is plotted in the coordinate plane below.



What are the coordinates of point P ?

- $(-5, -3)$
 - $(-5, 3)$
 - $(-3, -5)$
 - $(3, -5)$
- What is the value of the expression below?



$$17 - (-8)$$

- Sam was simplifying an expression in the box below.

$$\begin{aligned} |-8 + 6 + (-3)| &= |-8| + |6| + |-3| \\ &= 8 + 6 + 3 \\ &= 17 \end{aligned}$$

What should Sam do to correct the error that he made?

- Find the absolute value of the sum of 8, 6, and 3 and make that the final answer.
- Find the sum of -8 , -6 , and -3 and make that the final answer.
- Find the sum of -8 , 6, and -3 and make that the final answer.
- Find the absolute value of the sum of -8 , 6, and -3 and make that the final answer.

Test-Taking Strategy
Solve Directly or Eliminate Choices

You ripped out $(-1)^2 + (-2)(-3)$ whiskers. How many did you rip out?
 (A) -5 (B) 5 (C) -7 (D) 7

Yeow, why the biggest number?

"You can eliminate A and C. Then, solve directly to determine that the correct answer is D."

10. Which integer is closest to the value of the expression below?

$$-5.04 \cdot (16.89 - 20.1)$$

F. -105

H. 15

G. -15

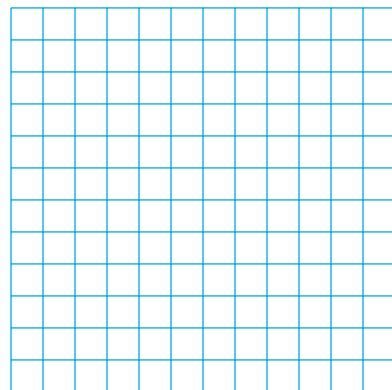
I. 105

11. Answer the following questions in the coordinate plane.

Think
Solve
Explain

Part A Draw an x -axis and y -axis in the coordinate plane. Then plot and label the point $(2, -3)$.

Part B Plot and label *four* points that are 3 units away from $(2, -3)$.



12. What is the mean of the data set in the box below?

-8, -6, -2, 0, -6, -8, 4, -7, -8, 1

A. -8

C. -6

B. -7

D. -4

13. Jane and Manuel measured the lengths of their pet rats.

● Jane's pet rat

○ Body length: $10\frac{1}{2}$ inches

○ Tail length: $7\frac{3}{4}$ inches

● Manuel's pet rat

○ Body length: $9\frac{5}{8}$ inches

○ Tail length: $8\frac{1}{4}$ inches

The total length of each rat is determined by the sum of its body length and its tail length. Whose rat has the longer total length and by how much?

F. Jane's rat is longer by $\frac{3}{8}$ inch.

H. Manuel's rat is longer by $\frac{5}{8}$ inch.

G. Jane's rat is longer by $\frac{1}{6}$ inch.

I. Manuel's rat is longer by $\frac{1}{4}$ inch.