PEMBROKE ACADEMY

PRACTICE TEST WITH SAMPLE TEST ITEMS

BASED ON GRADE LEVEL STANDARDS

MATH

SIXTH GRADE

No calculators are allowed on items 1 to 4.

1. Sea level is 0 feet in elevation. The elevation of land represents its height above or below sea level. This table shows the lowest elevation in some states.

State	Lowest Elevation (ft)
Arizona	72
California	– 282
Louisiana	– 68
Tennessee	178

Determine whether each statement about the lowest elevations is correct. Select True or False for each statement.

	True	False
The elevation at the lowest point in California is higher than the lowest point in Louisiana.	☐	☐
The elevation at the lowest point in Tennessee is farther from 0 than the elevation at the lowest point of Louisiana.	☐	☐
The elevation at the lowest point in Louisiana is higher than the lowest point in California.	☐	☐

2. Consider the inequality $x > 7$.

Determine whether each value of x shown in the table makes this inequality true. Select Yes or No for each value.

	Yes	No
22	☐	☐
-7	☐	☐
13	☐	☐
5	☐	☐
-39	☐	☐

3. Select all equations that have $x = 3$ as a solution.

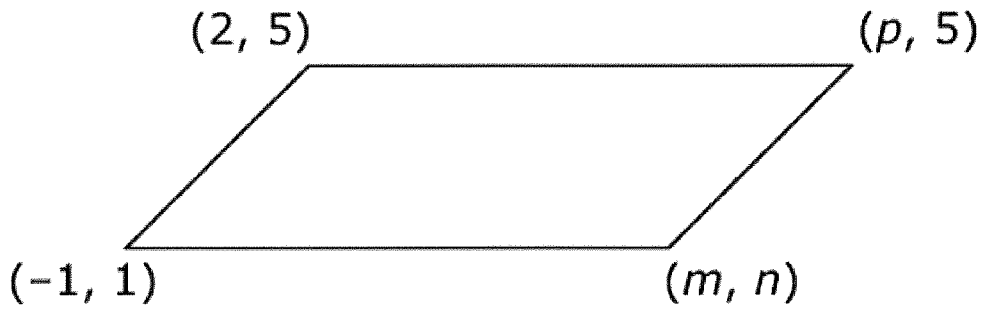
- ☐ $x + 7 = 10$
- ☐ $3 + x = 3$
- ☐ $x \bullet 3 = 1$
- ☐ $4 \bullet x = 12$

4. Select all the expressions that are equivalent to $8(t + 4)$.

- ☐ $2(4t + 2)$
- ☐ $8t + 32$
- ☐ $4t + 4 + 4t$
- ☐ $(8 + t) + (8 + 4)$
- ☐ $(8 \times t) + (8 \times 4)$

Calculators allowed on following items.

5. The coordinates of this parallelogram are given.



Determine if each statement is True or False.

	True	False
The length of the longer side is $p - 2$.	☐	☐
The length of the longer side is $n + 1$.	☐	☐
The short side is 4 units in length.	☐	☐
$n = 5$	☐	☐
$m > n$	☐	☐
$p = 2$	☐	☐

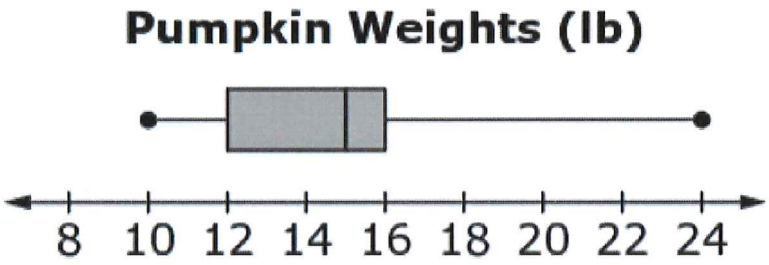
6. A statistical question is one where you expect to get a variety of answers. Determine whether each question can be classified as a statistical question. Select Yes or No for each question.

	Yes	No
How many hours a week do people exercise?	☐	☐
How many hours are there in a day?	☐	☐
How many rainbows have students seen this month?	☐	☐

7. This table contains x and y values in equivalent ratios. Fill in the missing value in the table.

x	*y*
2	6
5	
7	21
9	27

8. Look at the box-and-whisker plot of pumpkin weights.



What is the **median** pumpkin weight?

A. 12 lb
B. 14 lb
C. 15 lb
D. 16 lb