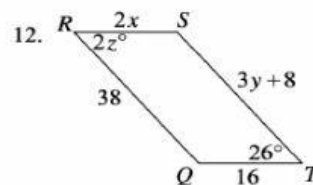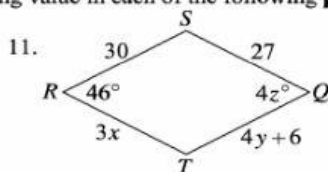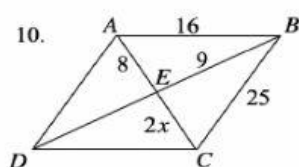# Parallelogram Test (11/05/21)

For questions 13 – 15, find the missing value in each of the following **parallelograms**.

10.

11.

12.

$AD =$ _____

$CD =$ _____

$x =$ _____

$DE =$ _____

$AC =$ _____

$x =$ _____

$y =$ _____

$z =$ _____

$m\angle T =$ _____

$m\angle S =$ _____

$x =$ _____

$y =$ _____
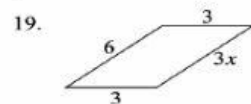
$z =$ _____

$m\angle Q =$ _____

$m\angle S =$ _____

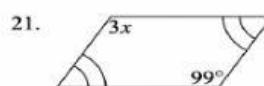Section #2 (you do not need to answer the WHY and if you have a decimal answer round to one decimal place.

For questions 19 – 24, find the value of x that will make the shape a parallelogram and give a reason to support your answer.
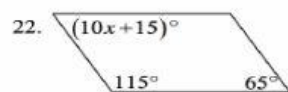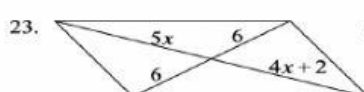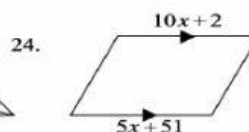
19.

$x =$ _____
Why:

20.

$x =$ _____
Why:

21.

$x =$ _____
Why:

22.

$x =$ _____
Why:

23.

$x =$ _____
Why:

24.

$x =$ _____
Why:

8.

$2x - 8$

$2y$

$y + 19$

$x + 16$

9.

$3x$ $2y - 11$

$y + 3$ $4x - 3$

$(4x - 35)°$ $(y + 15)°$

$(2y - 5)°$ $(3x + 10)°$

$x + 20$

$3y + 2$

$y + 20$

$3x - 14$