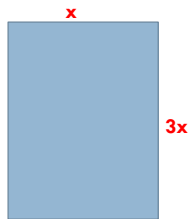## Warmup 11/(**Dark blue digit of pi in our pi chain**)   **Created by Kaylee Gunn**

☐ If the perimeter of the rectangle is **96**, find the value of x. Check your answer.

x

3x

If you have finished a halloween graphing sheet…

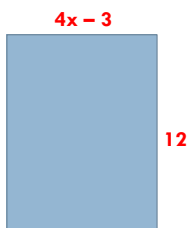☐ Turn it in!

☐ You can still turn them in whenever.

DON'T FORGET

☐ This is the **LAST WEEK** to retake the Linear Test (with tasks)

☐ Some of you have VERY LOW scores on this – it will kill your grade if you don't do a retake!!!

MORE Story Problems

☐ WHITEBOARDS AGAIN

☐ If the area of the rectangle is **60, find the value of x. Check your answer.**
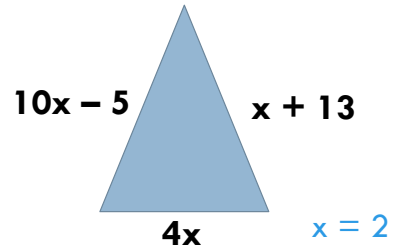
4x – 3

12

Story Problem (on the back of worksheet)

☐ Anne, Ben, and Nate are doing push-ups. Anne does some, but Ben does 1 more than Anne. Nate does three times as much as Anne. If they do 61 pushups total, how many pushups did each person do?

  a) Define a variable.

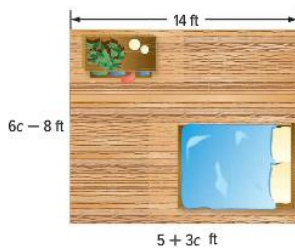 **b) Set up an equation to describe this situation. Use your equation to solve the problem.**

Twelve years ago, Lex was one-third the age he is now.

1) Define your variable.
2) Write an equation.
3) Solve the equation.
4) Say what your solution represents.

□ If the perimeter of the triangle is **38,** find the value of x.

10x − 5   **x + 13**

4x   x = 2

If Batman wants to put new carpeting in the room shown, how many square feet should he order?

14 ft

6c − 8 ft

5 + 3c ft

Back to regular problems – But harder!!!

Solve:

-4(2x − 1) = 36

x = -4

Early Finishers – Help your neighbors!!!

Solve:

10(3y − 2) − 20y = 70

x = 9

Early Finishers – Help your neighbors!!!

Solve:

$x + 1 + x + 2 + x + 3 + x + 4 = 5(x + 6) + x + 7$

$$x = -\frac{27}{2} \text{ or } -13\frac{1}{2} \text{ or } -13.5$$

Early Finishers – Help your neighbors!!!

Solve:

-3(4x + 1) + 9x = 5x − 11

x = 1

Early Finishers – Help your neighbors!!!

Solve:

4 + 4(x − 3) = -2(-3x + 8)

x = 4

Early Finishers – Help your neighbors!!!

Solve:

8 − 2(3x − 5) = 30

x = -2

Early Finishers – Help your neighbors!!!

Solve:

1 + 2(3x + 4) − 5x = 6(x + 7) − 8x + 9

x = 14

Early Finishers – Help your neighbors!!!

HOMEWORK

□ p.157 (6, 7, 8, 10)