Distribute and solve for x.

Example: - 6(3n – 3) = -90 ⎕Distribute \_-6\_\_\_ to each term in the parenthesis

 -18n + 18 = -90 $⎕$ If the constant is positive, subtract \_18\_\_\_ from both sides

 If the constant is negative, add \_\_\_\_ to both sides

 -18n = -72 $ ⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_-18\_\_\_\_

 N = 4

**1. 5(-4x - 4) = 220**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=220 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 220

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**2. -5(8+ 3x) = -55**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=-55 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -55

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**3. 4(1x – 4) = 32**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 32 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 32

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**4. -4(-4 + x) = 12**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 12 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 12

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**5. -5(-4 + 7x) = -120**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -120 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -120

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**6. -5(2 + 2x) = -110**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=-110 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -110

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**7. 2(9 + 7x) = -24**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -24 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -24

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**8. 2(3x - 6) = -42**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -42 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -42

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**9. -2(4x + 7) = 2**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=2 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 2

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**10. 6(3x – 5) = - 228**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -228 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -228

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**11. 2(3 – 3x) = -30**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -30 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -30

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**12. 3(1 + 4x) = -141**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -141 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -141

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**13. 4(10 – 6x) = 184**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 184 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 184

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**14. 6(-4x + 1 ) = -114**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=-114 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -114

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**15. 7(7 + x) = 21**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 21 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 21

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**16. -7(-2 – 3x) = - 91**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= - 91 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -91

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**17. 2(4 + 6x) = 80**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 80 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= \_\_\_

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**18. 6(-3 +2x) = 102**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=102 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= \_\_\_\_

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**19. 4(-7+ 6x) = 116**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 116 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= \_\_\_

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**20. 3(-5x + 3) = 69**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=69 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 69

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**21. -6(3 + 5x) = -108**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=-108 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -108

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**22. 6(5x + 4) = - 336**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= - 336 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -336

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**23. 6(1x + 7) = 114**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 114 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 114

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**24. 6(7 + 5x) = 252**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=252 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 252

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**25. -3(7x + 10) = 222**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_=222 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 222

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**26. 5(-7x + 2) = 115**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= 115 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= 115

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**27. -4(7 + 2x) = -100** ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -100 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -100

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**28. 7(-3x - 1) = - 196**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -196 $ ⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -196

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_

**29. 7( -8 – x ) = -70**  ⎕Distribute \_\_\_ to each term in the parenthesis

 \_\_\_ \_\_\_= -70 $⎕$ If the constant is positive, subtract \_\_\_\_

 If the constant is negative, add \_\_\_\_ to both sides

 \_\_\_= -70

 $⎕$ Simplify (bring down the remaining terms)

 $⎕$ Divide both sides by\_\_\_\_\_\_

 \_\_\_=\_\_\_\_