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\_\_\_\_\_\_

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