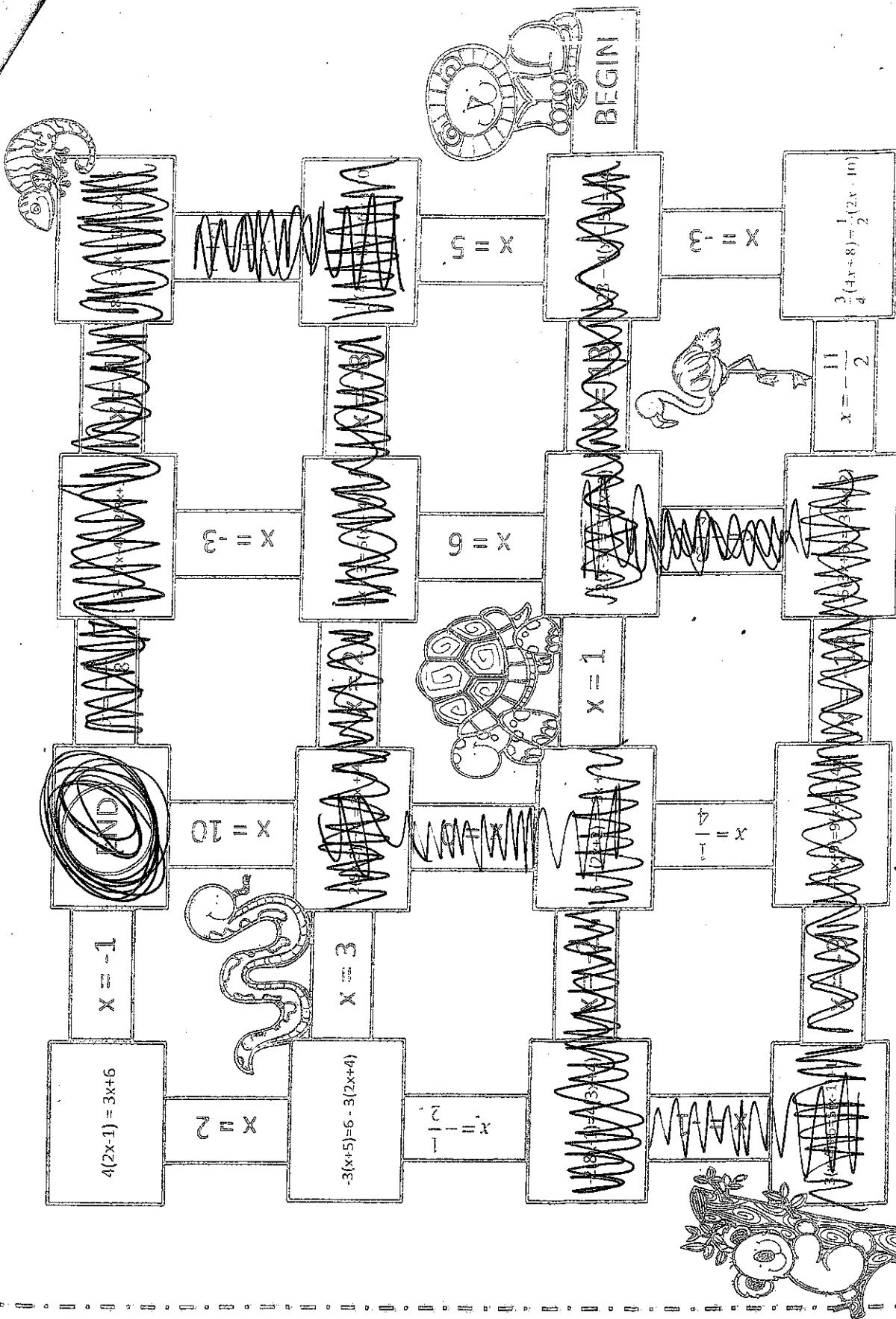


Stage 1



2

$$1. 28 - 4(x-5) = -4$$

$$28 - 4x + 20 = -4$$

$$48 - 4x = -4$$

$$-4x = -52$$

$$\boxed{X = 13}$$

$$2. -2(x-3) = 5(2x+3)$$

$$-2x + 6 = 10x + 15$$

$$\frac{-12x}{-12} = \frac{9}{-12}$$

$$\boxed{X = -\frac{3}{4}}$$

$$3. -5(3x+6) = -3(4x-2)$$

$$-15x - 30 = -12x + 6$$

$$-3x = 36$$

$$\boxed{X = -12}$$

$$4. -7(x+9) = 9(x-5) - 14x$$

$$-7x - 63 = 9x - 45 - 14x$$

$$-7x - 63 = -5x - 45$$

$$-2x = 18$$

$$\boxed{X = -9}$$

$$5. 3(x-4) + 6 = 5(x-1) + 1$$

$$3x - 12 + 6 = 5x - 5 + 1$$

$$3x - 6 = 5x - 4$$

$$-2x = 2$$

$$\boxed{X = -1}$$

$$6. -2(8x-1) = 4(3x+4)$$

$$-16x + 2 = 12x + 16$$

$$-28x = 14$$

$$\boxed{X = -2}$$

$$7. b - (2x+2) = -3x+4$$

$$b - 2x - 2 = -3x + 4$$

$$-2x + 4 = -3x + 4$$

$$\boxed{X = 0}$$

$$8. 2(5x-3) - 4 = 3x + 4$$

$$10x - 6 - 4 = 3x + 4$$

$$10x - 10 = 3x + 4$$

$$7x = 14$$

$$\boxed{X = 2}$$

$$9. 2x - 3 = 5(x+4) + 1$$

$$2x - 3 = 5x + 20 + 1$$

$$2x - 3 = 5x + 21$$

$$-3x = 24$$

$$\boxed{X = -8}$$

$$10. \frac{1}{2}(4x-8) = 6x + 10$$

$$2x - 4 = 6x + 10$$

$$-4x = 14$$

$$\boxed{X = -\frac{7}{2}}$$

$$\begin{aligned} 11. \quad 8x - 3(x-1) &= 2x + b \\ 8x - 3x + 3 &= 2x + b \\ 5x + 3 &= 2x + b \\ 3x &= 3 \\ \boxed{x = 1} \end{aligned}$$

$$\begin{aligned} 12. \quad 3 - (2x+4) &= 2(3x+1) \\ 3 - 2x - 4 &= 6x + 2 \\ -2x - 1 &= 6x + 2 \\ -8x &= 3 \\ \boxed{x = -\frac{3}{8}} \end{aligned}$$

13. DONE