Intro Math book p.29-32

1. 6x + 7 = 2x + 15 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants (regular numbers) on the OTHER

 side of the equation.

□ Divide to get the variable all by itself

2. 4x + 15 = x + 18 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants (regular numbers) on the OTHER

 side of the equation.

□ Divide to get the variable all by itself

3. 5x + 11 = 2x + 20 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

4. 5x + 3 = x + 19 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

**Page 30**

5. 4x + 6 = x + 18 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

6. 6x + 14 = 3x + 20 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

7. 3x + 12 = 5x + 0 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

8. 7x + 4 = x + 16 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

9. 2x + 5 = 6x + 1 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

10. x + 16 = 4x + 1 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

**Page 31**

1. 4x - 3x + 12 = 2x + 2 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

2. 5x – x + 9 = x + 18 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

3. 14 + 7x - 2x = 2x + 20 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

4. 12x – 7x + 2 = 22 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

**Page 32**

5. 5x + 2 = 3x - 2x + 18 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

6. 9x – 6x + 2x = 15 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

7. 8x - 4x + 1 = 13 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

8. 4x – 4 x = 3x □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

9. 9x - 5x = x + 15 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself

10. 17 = 6x – x + 2 □ Distribute, if needed

 □ Combine like terms on each side of = sign (do not cross =)

 □ Try to get all the variable terms on one side of the equation-

 (use the inverse operation)

 □ Now get all the constants on the OTHER side of the equation.

□ Divide to get the variable all by itself