

MPM1DI  
Algebra Practice Problems

Name: \_\_\_\_\_  
Date: \_\_\_\_\_

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1.)  $x / 2 = 7$

2.)  $x / 2 = -1$

3.)  $x + 6 = 18$

4.)  $x / -7 = 7$

5.)  $x / 3 = 1$

6.)  $-2x - 4 = 14$

7.)  $6x + 4 = 40$

8.)  $4x - 10 = 34$

9.)  $4 - 3x = -14$

10.)  $-7 + 6x = 17$

11.)  $2x + 10 + 5x = 24$

12.)  $-4 + x + x = 8$

13.)  $6x + 4 - 7x = -5$

14.)  $4 - 2x + 6x = 20$

Answers: 1. 14, 2. -2, 3. 12, 4. -49, 5. 3, 6. -9, 7. 6, 8. 11, 9. 6, 10. 4, 11. 2, 12. 6, 13. 9, 14. 4

$$15.) \quad 2x + 4 - 7x = -46$$

$$16.) \quad 6x + 4 = 44 - 4x$$

$$17.) \quad 5x + 3 = -2x + 59$$

$$18.) \quad 5x + 9 = -x + 27$$

$$19.) \quad 1 + 2x = -7x - 53$$

$$20.) \quad -3x + 5 = 38 - 6x$$

$$21.) \quad 3(1 - 2x) = 15$$

$$22.) \quad 6(-3x + 2) = -168$$

$$23.) \quad 4(-2x + 1) = -28$$

$$24.) \quad 2(8 - 4x) = 80$$

$$25.) \quad 5(3x + 9) = 210$$

$$26.) \quad -(1+7x) - 6(-7-x) = 36$$

$$27.) \quad -3(4x + 3) + 4(6x + 1) = 43$$

$$28.) \quad -5(1 - 5x) + 5(-8x - 2) = -4x - 8x$$

Answers: **15.** 10, **16.** 4, **17.** 8, **18.** 3, **19.** -6, **20.** 11, **21.** -2, **22.** 10, **23.** 4, **24.** -8, **25.** 11, **26.** 5, **27.** 4, **28.** -5

