DoodleBeez Worksheets

Grade 8 | Math

Name: Date: Score: / 12

# Multi Step Equations

Variables on both sides. Worksheet 1 of 50

Solve for x. Get the x terms on one side first.

1. $7x - 10 = 3x + 2$ x = _____

2. $3x + 4 = 9x - 8$ x = _____

3. $5x + 11 = 6x + 4$ x = _____

4. $4x - 9 = 8x - 1$ x = _____

5. $3x - 8 = 4x - 5$ x = _____

6. $6x - 10 = 1x + 15$ x = _____

7. $8x + 5 = 6x + 1$ x = _____

8. $8x + 4 = 3x + 34$ x = _____

9. $2x - 2 = 7x + 33$ x = _____

10. $6x - 9 = 7x - 5$ x = _____

11. $8x - 1 = 7x - 6$ x = _____

12. $2x + 10 = 6x - 6$ x = _____

ANSWER KEY

# Multi Step Equations (answers)

Variables on both sides. Worksheet 1 of 50

Solve for x. Get the x terms on one side first.

1. $7x - 10 = 3x + 2$ x = **3**
2. $3x + 4 = 9x - 8$ x = **2**
3. $5x + 11 = 6x + 4$ x = **7**
4. $4x - 9 = 8x - 1$ x = **−2**
5. $3x - 8 = 4x - 5$ x = **−3**
6. $6x - 10 = 1x + 15$ x = **5**
7. $8x + 5 = 6x + 1$ x = **−2**
8. $8x + 4 = 3x + 34$ x = **6**
9. $2x - 2 = 7x + 33$ x = **−7**
10. $6x - 9 = 7x - 5$ x = **−4**
11. $8x - 1 = 7x - 6$ x = **−5**
12. $2x + 10 = 6x - 6$ x = **4**