

Algebra
Multi-Step Equations

Name: _____
Period: _____

Solve each equation. SHOW ALL YOUR WORK.

1) $y - 5 = 20$

2) $-3x = 45$

3) $\frac{x}{3} = 13$

4) $3x - 12 = 21$

5) $\frac{x}{4} + 7 = 2$

6) $2x + 13 = 3$

7) $15 = -2x + 3$

8) $15a - 10 = -55$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. $5x + 2x = 42$

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11. $5a + 5 - 2a = 38$

13. $2(10x - 5) = -50$

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15. $10x + 2x + 8x - 7x + 17(x - 1) = 43$

10. $-2y + 7y = -30$

12. $2(x - 2) + 15 = 14$

14. $15x - 10(x - 1) = 30$

16. $4(6x + 1) - 3(2x - 3) + 4x - 6 = 51$

Answers

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

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