

Name: _____

Date: _____

Deconstruct the house: undo + and - first, then x and /. Keep both sides balanced. Last two are challenge problems!

1. $x + 7 = 12$

show your work

2. $3x = 21$

show your work

3. $2x + 5 = 17$

show your work

4. $4x - 3 = 13$

show your work

5. $x/3 + 2 = 7$

show your work

6. $3(x + 2) = 18$

show your work

7. $5x + 4 = 2x + 19$

show your work

8. $7 - 2x = 3x - 8$

show your work

9. $4(2x - 1) - 3(x + 2) = 10$ ★ CHALLENGE

show your work

10. $(\frac{2}{3})(6x - 9) = 2x + 8$ ★ CHALLENGE

show your work