**Fresh Math**

# Algebra 1 - Unit 2 - Solving Multi-Step Equations (Challenge)

### Solve each two-step equation. Show your work.

1. $3(3x - 6) - 20 = 25$

2. $7x + 18 = 3x + 126$

3. $3(4x + 11) = 117$

4. $3(2x - 10) - 16 = 32$

5. $4(4x - 7) - 18 = 34$

6. $8x + 28 = 2x + 124$

7. $7x + 47 = 6x + 55$

8. $8x + 26 = 4x + 206$

9. $4(3x + 6) + 11 = 107$

10. $7x + 26 = 6x + 42$

1. $3(3x - 6) - 20 = 25$

   x = 7

2. $7x + 18 = 3x + 126$

   x = 27

3. $3(4x + 11) = 117$

   x = 7

4. $3(2x - 10) - 16 = 32$

   x = 13

5. $4(4x - 7) - 18 = 34$

   x = 5

6. $8x + 28 = 2x + 124$

   x = 16

7. $7x + 47 = 6x + 55$

   x = 8

8. $8x + 26 = 4x + 206$

   x = 45

9. $4(3x + 6) + 11 = 107$

   x = 6

10. $7x + 26 = 6x + 42$

    x = 16