

EQUATIONS OF THE TYPE $ax + b = cx + e$

Name: _____

Solve for x:

Q1. $3x + 1 = 2x + 8$

Q2. $5x + 9 = 3x + 20$

Q3. $4x - 3 = 2x + 5$

Q4. $7x - 3 = 3x + 20$

Q5. $4x - 2 = 3x - 4$

Q6. $7x - 8 = 6x + 11$

Q7. $4x - 3 = 5x + 12$

Q8. $2x + 5 = 7x - 9$

Q9. $4x - 3 = 6x - 15$

Q10. $3x + 7 = 12x + 25$

If $m = 3x - 2$ and $4x + 3 = 2x - 1$, find the value of m.