

First name: _____ Last name: _____

Student ID: _____

Equation (2) Homework

1. Solve.

1. $8n = 55\frac{1}{3}$	2. $f \div \frac{6}{9} = \frac{3}{4}$
3. $r \div 2\frac{1}{4} = 2$	4. $9 \div x = 3$
5. $\frac{6}{7} \div v = \frac{66}{49}$	6. $7\frac{2}{5} \div t = 5\frac{11}{20}$
7. $\frac{3}{4}x = \frac{13}{3}$	8. $\frac{2}{3}x - 2 = \frac{3}{2}x + \frac{1}{6}$

2. Solve.

1. $-4(6x+8)+(91x-9)=x+45$	2. $(3x+2)-(x-4)=0$
3. $3(2x-1)=5-2(x+6)$	4. $\frac{x}{2}=\frac{32}{x}$
5. $\frac{x-3}{2}=\frac{2x+5}{3}$	6. $\frac{1}{2}+\left(\frac{x+1}{4}\right)=\frac{2}{3}$
7. $\frac{3}{2}\left(\frac{5}{9}x+\frac{4}{27}\right)=3$	8. $4x-\frac{3x}{5}=\frac{3x-1}{2}-6$
9. $\frac{2}{3}-\left(\frac{x+2}{2}\right)=3$	10. $\frac{3}{4}x-\frac{1}{2}=\frac{1}{3}\left(\frac{3x}{4}+6\right)-\frac{7}{2}$

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11. $\frac{2x-18}{4} = \frac{3x+1}{2}$	12. $\frac{x+9}{5} = \frac{x-7}{10}$
13. $\frac{2x-1}{3} - \frac{x+2}{4} = -5$	14. $\frac{3y+5}{3} - \frac{y-3}{6} = -2$

3. Solve for x if the ratio $\frac{x-9}{2x}$ to 2 is equal to (3x - 4) to 12x.