Proficiency Check 3.3 – Brackets, Fractions, and Decimals

Show all of your steps. The manipulation is what matters, not the solution.

Emerging	Emerging
1. $3(x-2)+7=2(x+5)$	2. $-(t-5)+4(t+1)=2(t-5)$
3. $-(4+2r)-3(r+6)=5(r+3)$	4. $2(k+7)-4k=-(2+k)-7$
5. $0.3r+0.05=0.18-0.2r$	6. $0.04t+0.02-0.12t=0.02+0.05t$

Proficient	Proficient
7. $\frac{1}{2}x + \frac{3}{4} = \frac{5}{6}$	8. $\frac{5}{2}x - \frac{1}{6} = \frac{2}{3}x + 1$
9. $-\frac{4}{5}x + \frac{1}{2} = \frac{3}{10}$	10. $-\frac{1}{2}x - \frac{4}{9} = \frac{2}{3}x - \frac{5}{6}$

Extending
11. $\frac{1}{2}(x-4)+\frac{3}{4}(x+2)=-\frac{2}{3}(x+1)+\frac{5}{6}(3-x)$
12. $-\frac{1}{2}(-x+3)-\frac{1}{5}(x+4)=\frac{7}{10}(x-5)-1$