

Solving Equations with Variables On Both Sides - Partner Activity

Directions: Decide who will be Partner A and who will be Partner B. Partner A will complete all ten problems in their column, and Partner B will complete all ten problems in their column. After each problem, partners will check each other's answer. If the equation was solved correctly, both partners will get the same answer. If not, students will swap papers and find their partner's mistakes.

Partner A	Partner B	Answer
1. $3x - 5 = 2x - 3$	1. $4x - 10 = -2x + 2$	
2. $-3(t + 4) = t + 8$	2. $2(7 - t) = t + 29$	
3. $-s + 7 + 3s = 4s$	3. $2s + 14 - 4s = 2s$	
4. $-4r = 30 - 9r$	4. $-8r = -6r - 12$	
5. $\frac{1}{2}n + 3 = 47n + 3$	5. $4 + \frac{1}{3}n = 12n + 4$	

Partner A	Partner B	Answer
6. $2(x - 3) = 3(x + 1) - 22$	6. $-4(x + 1) = -6 + 5(-x + 3)$	
7. $2y + 3y - 6(y + 2) = -y + 6$	7. $3(-y - 2) + 5y + y = 3y - 3$	
8. $z + 7 = 2z - \frac{1}{2}$	8. $3z + 4 = 2z + \frac{23}{2}$	
9. $\frac{p}{2} = p - 155$	9. $\frac{p}{10} = p - 279$	
10. $-a + 32 = \frac{11a}{3} - 10$	10. $-a + 12 = \frac{10a}{9} - 7$	