

Name: _____ Class: _____ Date: _____

8th Grade Pre-Algebra Section 8.8 Quiz Review Worksheet

Solve each equation or inequality. SHOW YOUR WORK!!

1. $4(x + 1) + 3 = 31$
2. $2(a - 2) = 3(a - 5)$
3. $7(x + 2) = 2(x + 2)$
4. $6x + 4 = 2(3x - 5)$
5. $3(1 + 2f) - 5 = 6f - 2$
6. $-2(k - 2) \geq -20$
7. $-2(g - 1) > g - 4$
8. $6(-2z + 5) < -19z + 16$
9. Sumi is considering two gyms. Gym A has a one-time membership fee of \$45 and costs \$18 per month. Gym B has a one-time membership fee of \$60 and costs \$18 per month. Write and solve an equation to find the number of months for which the two gyms have the same cost.
10. Cole is having his car repaired. The mechanic said it would cost at least \$375 for parts and labor. If the cost of the parts was \$150 and the mechanic charges \$60 an hour, how many hours is the mechanic planning to work on the car?