Algebra III Mixture Problems   Name: _____
8/23/17

1.   How many gallons of a 12% solution must be added to a 20% solution in
      order to produce 10 gallons of a 14% solution?"

2.   How many gallons of a 60% solution must be added to 30 gallons of a 10%
      solution in order to produce a 20% solution?

3.   A lawn service wants to mix two types of grass seed. Fescue sells for $10 per pound and Bluegrass sells for $15 per pound. How many pounds of each type are needed to obtain 20 pounds of a mixture that would sell at $12 per pound?