Problem 1: Solve the following system of linear equations, by elimination:

$$x + y = 2$$
$$4x + y = 5$$

Answer: $x = 1$, $y = 1$.

Problem 2: The following system of linear equations cannot be uniquely solved using elimination. Why not?

$$x + y = 2$$
$$2x + 2y = 4$$

Answer: Anything like "There's more than one solution", "They're the same equation, fundamentally", or "They're the same line/parallel" was taken as a valid answer. The key thing to notice is that when we try to eliminate, we get $0 = 0$;

$$x + y = 2$$
$$2x + 2y = 4$$
$$-2x - 2y = -4 \text{ (Multiply first equation by -2)}$$
$$0 = 0 \text{ (Add the above two equations.)}$$

Coming up with two different solutions would also have worked.