For each of the force fields below, circle whether the field is conservative and whether it can be separated into Cartesian components. Explain your reasoning.

Case #1:

Conservative or not conservative?

Separable or not separable?

Explain your reasoning.

Case #2:

Conservative or not conservative?

Separable or not separable?

Explain your reasoning.
Pretest: Separating forces

Case #3:

Conservative or not conservative?

Separable or not separable?

Explain your reasoning.

Case #4

Conservative or not conservative?

Separable or not separable?

Explain your reasoning.