1) Find the surface area of the part of the plane $z = 2 + 3x + 4y$ that lies above the rectangle $[0,5] \times [1,4]$.

2) Find the surface area of the part of the plane $2x + 5y + z = 10$ that lies inside the cylinder $x^2 + y^2 = 9$.

3) Find the surface area of the part of the cylinder $y^2 + z^2 = 9$ that lies above the rectangle with vertices $(0,0)$, $(4,0)$, $(0,2)$, $(4,2)$.

4) Find the surface area of the part of the surface $z = xy$ that lies within the cylinder $x^2 + y^2 = 1$.

5) Find the surface area of the part of the sphere $x^2 + y^2 + z^2 = 4z$ that lies inside the paraboloid $z = x^2 + y^2$.