1. Find an expression for the distance between the point $(3, 5, 2)$ and the plane $z = k$, where k is a constant.

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expression:

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2. Find an expression for a level surface of the function

$$f(x, y, z) = \cos(2x + y).$$

Is the level surface a

○ plane   ○ sphere or ellipsoid   ○ circular or elliptical paraboloid   ○ cylinder