Each of the following formulas corresponds to a level set and to a figure on this sheet. Match the numbered formulas to the lettered level sets and figures.

1. $z = \cos\sqrt{x^2 + y^2}, \ |x| \leq 10, \ |y| \leq 10$
2. $z = r^2e^{-r^2} \cos^2(\frac{\theta}{4}), \ |x| \leq 3, \ |y| \leq 3$

3. $z = \frac{1}{1 + x^2 + y^2}, \ |x| \leq 2, \ |y| \leq 2$
4. $z = 3(x^2 + 3y^2)e^{-x^2 - y^2}, \ |x| \leq 2.5, \ |y| \leq 2.5$

5. $z = xy\ e^{-\frac{1}{4}(x^2 + y^2)}, \ |x| \leq 3.5, \ |y| \leq 3.5$
6. $z = xe^{-x^2 - y^2}, \ |x| \leq 2, \ |y| \leq 2$