Show all work.

$f(x) = x^2 - 3$ $g(x) = x + 2$

1. Graph f(x)

2. Evaluate f(g(x))

3. Solve f(x) + g(x) = 0

4. Solve $\log_3 g(x) = 1$

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5. Have you taken an algebra course? If so, describe your experience in one sentence.

6. Simplify $\dfrac{-3x^4y^{-5}}{4x^2y}$

7. Do you consider yourself a math person?

8. Are you taking this course to fulfill a requirement?

9. What do you wish to walk away with at the end of the course?

10. What're you interested in or passionate about?