Assignment 3

Task 1. Match the following:

1. Trigger a failure
2. Prevent a failure
3. Correct the failure

Task 2. Consider the following:

(1) $E_{1}$: The patient is infected with a virus.
(2) $E_{2}$: The patient is not infected with a virus.
(3) $E_{3}$: The patient is infected with a virus and has symptoms.

Task 3. Consider the following function:

$f(x) = 2x + 3$

Task 4. Consider the following function:

$f(x) = x^2 - 4x + 4$

Task 5. Consider the following function:

$f(x) = \frac{1}{x}$