

TT11: Possible Solutions

- a. Error: The final binomial should be the square of a difference, not the square of a sum.

Correction: The sign of the binomial is determined by the sign of the middle term in the trinomial.

Therefore, the correct solution is $(2x - 1)^2$.

- b. Error: Everything is done correctly, except the student has overlooked the fact that $x^2 - 1$ can also be further factored.

Correction: The square root of x^2 is x . The square root of 1 is 1. Therefore, the factored form

of $x^2 - 1$ is $(x + 1)(x - 1)$. The final answer is $(x + 3)(x - 3)(x + 1)(x - 1)$.