

Completing the Square

While working in a group make sure you:

- Expect to make mistakes but be sure to reflect/learn from them!
- Are civil and are aware of your impact on others.
- Assume and engage with the strongest argument while assuming best intent.

1. Consider $g(x) = x^2 - 7x + 12$

(a) Write $g(x)$ in vertex form.

(b) Find the extreme value of g and identify it as a minimum or maximum.

2. Let $f(x) = 8x - 5 - 2x^2$. Write $g(x)$ in vertex form.