

Homework 6

1. Apply Gram-Schmidt to

$$(2, -1), (3, 3).$$

2. Apply Gram-Schmidt to

$$(1, -2, 2), (2, 2, 1), (2, -1, -2).$$

3. Apply Gram-Schmidt to

(a) $(3, 4, 0), (2, 0, 0)$

(b) $(1, 2, -1, 0), (2, 2, 0, 1), (1, 1, -1, 0).$