Exercise 18.4 Show that for ridge regression
$$\beta = \sqrt{(R^TR + 21)^TR^Ty}$$
 when $x = RV^T$ $\beta = \sqrt{(R^TR + 21)^TR^Ty}$ when $x = RV^T$ matrix inverse lemma: $(A + U \in B)^T = A^T - A^TU(C^T + BA^TU)^TBA^T$ $U = V^T$ $U =$