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Homework #1

Page 32 #'s 5 and 7

5) Write the system of equations equivalent to the given vector equation:

$$3x1 & 5x2 & 2 \\
= -2x1 + 0x2 & = -3 \\
8x1 & -9x2 & 8$$

$$3x_1+5x_2 = 2$$

 $-2x_1 = -3$
 $8x_1-9x_2 = 8$

7) Vector A U-2V Vector B 2U-2V Vector C 2U-3.5V Vector D 3U-4V

Page 40

1) Multiply the matrix and find Ax

The equation is undefined to solve because the column in the first matrix does not equal the row in the second matrix