In questions 1-4, state whether the matrices are in echelon form, reduced row echelon form (RREF) or neither form.

Multiple Choice:

- (a) Echelon form ✓
- (b) RREF
- (c) neither

Multiple Choice:

- (a) Echelon form
- (b) RREF
- (c) neither ✓

Multiple Choice:

- (a) Echelon form ✓
- (b) RREF
- (c) neither

E-3 & E-4 $Math\ 2210Q$

Multiple Choice:

- (a) Echelon form
- (b) RREF✓
- (c) neither

Question 5 Given the augmented matrix below that corresponds to a linear system in variables x_1, x_2, x_3 , and x_4 , what is the correct parametric description of the solution set?

Multiple Choice:

(a)
$$\begin{cases} x_1 &= 2 - x_2 - 4x_3 \\ x_2 &= 7 \\ x_3 & free \\ x_4 & free \end{cases}$$
(b)
$$\begin{cases} x_1 & free \\ x_2 &= 2 - 4x_3 \\ x_3 & free \\ x_4 &= 7 \end{cases} \checkmark$$

(b)
$$\begin{cases} x_1 & free \\ x_2 & = 2 - 4x_3 \\ x_3 & free \\ x_4 & = 7 \end{cases} \checkmark$$

(c)
$$\begin{cases} x_1 = 2 - 4x_3 \\ x_2 & free \\ x_3 & free \\ x_4 = 7 \end{cases}$$

(d) no solution

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