

# Linear algebra warm-up

*August 30, 2017*

Solve the following systems of equations:

$$(1) \quad \begin{array}{rcl} 3x & - & 2y = 8 \\ 2x & + & y = 3 \end{array}$$

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$$(2) \quad \begin{array}{rcl} x & - & 2y = 1 \\ -3x & + & 6y = -3 \end{array}$$

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$$(3) \quad \begin{array}{rcl} 2x & - & y = 5 \\ & & 3y = 9 \end{array}$$

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$$(4) \quad \begin{array}{rcl} 2x & + & 6y = 4 \\ x & + & 3y = 1 \end{array}$$

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