QUESTION **1** Which of the following points lie on the line $3x + 4y = 12$?

a $(0, 3)$ _____ **b** $(0, 0)$ _____ **c** $(-4, 6)$ _____

d $(4, 3)$ _____ **e** $(4, 0)$ _____ **f** $(8, -3)$ _____

QUESTION **2** Which of the following lines pass through the origin, $(0, 0)$?

a $2x - y + 2 = 0$ _____ **b** $2y = 3x$ _____ **c** $x - 5y = 0$ _____

d $2x + 3y = 6$ _____ **e** $y = -2x$ _____ **f** $y = 5x - 4$ _____

QUESTION **3** Does the given point lie on the given line?

a $x + 2y = 3$ $(3, 0)$ _____ **b** $x + y = 2$ $(0, 2)$ _____

c $2x + 3y = 6$ $(3, -2)$ _____ **d** $y = 5x - 3$ $(1, 2)$ _____

e $y = -x + 7$ $(4, 3)$ _____ **f** $2x + y = 5$ $(2, -1)$ _____

QUESTION **5** If the point $(-3, -6)$ is on the line $ax - 4y - 9 = 0$, what is the value of a?

_____

_____

QUESTION **3** Does the given point lie on the given line?

a $x + 2y = 3$ $(3, 0)$ _____

b $x + y = 2$ $(0, 2)$ _____

c $2x + 3y = 6$ $(3, -2)$ _____

d $y = 5x - 3$ $(1, 2)$ _____

e $y = -x + 7$ $(4, 3)$ _____

f $2x + y = 5$ $(2, -1)$ _____

5 Use the graph of $y = 2x - 1$, shown here, to find the solution to each of these equations.

a $2x - 1 = 3$

b $2x - 1 = 0$

c $2x - 1 = 5$

d $2x - 1 = -6$

e $2x - 1 = -4$