New Maths GCSE: A10 - Straight Line Graphs - Rearranging Equations

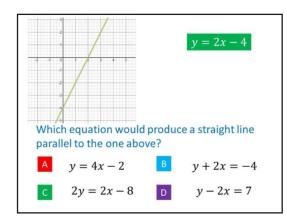Name:.. Date:......................................

$y = 2x - 1$

Which equation would produce a straight line identical to the one above?

A $\quad y = 2x + 1$ B $\quad y + 2x = -1$

C $\quad y - 2x = -1$ D $\quad x = 2y - 1$

Correct Answer: A B C D

Explanation:

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$y = 4 - 3x$

Which equation would produce a straight line identical to the one above?

A $\quad 3x + y = 4$ B $\quad x = 4 - 3y$

C $\quad y + 3x = -4$ D $\quad y = 3x - 4$

Correct Answer: A B C D

Explanation:

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$y = 2x - 4$

Which equation would produce a straight line parallel to the one above?

A $\quad y = 4x - 2$ B $\quad y + 2x = -4$

C $\quad 2y = 2x - 8$ D $\quad y - 2x = 7$

Correct Answer: A B C D

Explanation:

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$$y = 3 - 4x$$

Which equation would produce a straight line that crosses the y-axis at the same point as the one above?

A $y = 4x - 3$ B $3y = 6 - 4x$

C $y + 7x - 3 = 0$ D $y = 3x - 4$

Correct Answer: A B C D

Explanation:

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$$y = 0.5x + 2$$

Which equation would produce a straight line that crosses the y-axis at the same point as the one above?

A $2y = x + 2$ B $y = 2x + 0.5$

C $y + 2 = 3x$ D $4y = 7x + 8$

Correct Answer: A B C D

Explanation:

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