Writing Equations of Parallel and Perpendicular Lines

Parallel to $y = 2x - 2$ and passes through point (4,3)

$x =$ ____ $y =$ ____ $m =$ ____

$y = mx + b$

____ = ____ (____) + b

____ = ____ + b

____ = b

$y = mx + b$

$y =$ _____

Parallel to $y = 7x + 3$ and passes through point $(-1, -3)$

$x =$ ____ $y =$ ____ $m =$ ____

$y = mx + b$

____ = ____ (____) + b

____ = ____ + b

____ = b

$y = mx + b$

$y =$ _____

Perpendicular to $y = \frac{1}{7}x - 5$ and passes through point $(1, -2)$

$x =$ ____ $y =$ ____ $m =$ ____

$y = mx + b$

____ = ____ (____) + b

____ = ____ + b

____ = b

$y = mx + b$

$y =$ _____

Perpendicular to $y = -x + 3$ and passes through point (4,2)

$x =$ ____ $y =$ ____ $m =$ ____

$y = mx + b$

____ = ____ (____) + b

____ = ____ + b

____ = b

$y = mx + b$

$y =$ _____

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