Writing Linear Equations From Two Points Practice

1. $(2, -1)$ and $(-3,4)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

$m = \frac{y_2 - y_1}{x_2 - x_1} =$ _____ $=$ ___ $=$

$y = mx + b$

___ $=$ ___ (___) $+ b$

___ $=$ ___ $+ b$

___ $= b$

$y =$ ___ $x +$ ___

2. $(-2, -1)$ and $(-3, -3)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

$m = \frac{y_2 - y_1}{x_2 - x_1} =$ _____ $=$ ___ $=$

$y = mx + b$

___ $=$ ___ (___) $+ b$

___ $=$ ___ $+ b$

___ $= b$

$y =$ ___ $x +$ ___

3. $(4, -4)$ and $(5,0)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

$m = \frac{y_2 - y_1}{x_2 - x_1} =$ _____ $=$ ___ $=$

$y = mx + b$

___ $=$ ___ (___) $+ b$

___ $=$ ___ $+ b$

___ $= b$

$y =$ _____

4. $(2,5)$ and $(3, -1)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

$m = \frac{y_2 - y_1}{x_2 - x_1} =$ _____ $=$ ___ $=$

$y = mx + b$

$y =$ _____