Writing Linear Equations From Two Points Practice 2

1. $(2, -3)$ and $(0,1)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

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

___ $=$ ___ $+ b$

___ $= b$

$y =$ ___ $x +$ ___

2. $(0, -5)$ and $(-1, -4)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____

3. $(0,5)$ and $(-2,3)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____

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

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____

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

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____

6. $(-1,3)$ and $(0,0)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____

7. $(4,0)$ and $(3, -3)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____

8. $(-2,3)$ and $(-1, -4)$

$x_1 =$ ___ $y_1 =$ ___

$x_2 =$ ___ $y_2 =$ ___

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

$y = mx + b$

$y =$ _____