

23. $y = -\frac{3}{2}x$ $\rightarrow (0,0)$ $(2,-3)$

$$y = -\frac{3}{2}x - 4$$

$$d = \frac{\left| -\frac{3}{2}(2) - 1(-3) - 4 \right|}{\sqrt{\left(-\frac{3}{2}\right)^2 + (-1)^2}}$$

$\frac{9}{4} + 1$

2 $(0 = -\frac{3}{2}x - y - 4)$

$$d = \left| \frac{-4}{\sqrt{\frac{13}{4}}} \right| = \frac{4}{\frac{\sqrt{13}}{2}} = 4 \cdot \frac{2}{\sqrt{13}} = \frac{8}{\sqrt{13}} = \frac{8\sqrt{13}}{13}$$

~~$0 = -3x - 2y - 8$~~