Algebra 1 TUESDAY 1-15-12 CLASS NOTES

(17) $y = 2|x-2| - 1$

(12) $y = 3|x-3| + 4$

(25) through $(5,3)$ x, y perp. to $y = -\frac{5}{3}x$

EOL IN SI Form

$m_{\perp} = \frac{3}{5}$

$y = mx + b$

$3 = \frac{3}{5}(5) + b$

$3 = 3 + b$

$-3 \quad -3$

$0 = b$

$y = \frac{3}{5}x$

(24) through $(-5,-4)$, $\parallel$ to $y = \frac{1}{5}x + 1$

x, y

$m_{\parallel} = \frac{1}{5}$

$y = mx + b$

$-4 = \frac{1}{5}(-5) + b$

$-4 = -1 + b$

$+1 \quad +1$

$-3 = b$

$y = \frac{1}{5}x - 3$