H/W Review:

p. 349 #14

$(4, -9)$

$y = mx + b$

$y = \frac{1}{4}x + b$

$-9 = \frac{1}{4}(4) + b$

$-9 = 1 + b$

$-10 = b$

$y = \frac{1}{4}x + 2$

$m = \frac{1}{4}$ $m = -4$

$y = \frac{1}{4}x - 10$

$y = -4x + b$

$-9 = -4(4) + b$

$-9 = -16 + b$

$+16 \quad +16$

$7 = b$

$y = -4x + 7$

② (1,-2) (7,7) : eq'n

$m = \frac{7+2}{7-1} = \frac{9}{6} = \frac{3}{2}$

$y = \frac{3}{2}x - \frac{7}{2}$ ✓ ✓

$y = \frac{3}{2}x + b$

$-2 = \frac{3}{2}(1) + b$

$-2 = \frac{3}{2} + b$

$\frac{-4}{2} - \frac{3}{2} = b = \frac{-7}{2}$

$7 = \frac{3}{2}(7) - \frac{7}{2}$

✓ $7 = \frac{21}{2} - \frac{7}{2} = \frac{14}{2} = 7$ ✓

③ (6, 8) (10, 8)

$y = mx + b$

$y = 8$

⑧ perp. to $y = \frac{-2}{3}x + 2$ $(1,3)$

$y = \frac{3}{2}x + \frac{3}{2}$ $m = \frac{-2}{3}$ $\text{perp} = \frac{3}{2}$

$y = \frac{3}{2}x + b$

$3 = \frac{3}{2}(1) + b$

$\frac{b}{-\frac{3}{2}} = \frac{\frac{3}{2}}{-\frac{3}{2}} + b$ $b = \frac{3}{2}$

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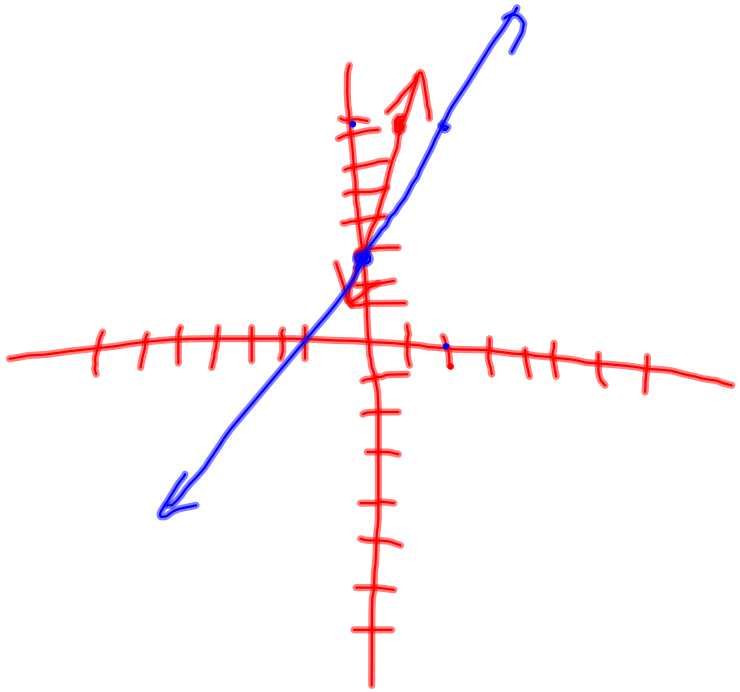

$-5x+2y=6$

$\frac{2y}{2}=\frac{+5x+6}{2}$

$y=\frac{+5x}{2}+3$

⑨ $(-2,3)$

$2y-2x=1$

$\frac{2y}{2}=\frac{2x+1}{2}$

$y=x+\frac{1}{2}$

$\frac{1}{1} \rightsquigarrow \frac{-1}{1}=-1$

$y=-x+b$

$3=-(-2)+b$

$3=2+b$

$b=1$

$y=-x+1$

Homework:

STUDY!

and

p. 272 9-17 (odd), 18-20

p. 345 7-10, 18, 19