

Ch 1 & 2 Review ODD answers!!

1. $-x^3 + 15x^2y - 10y^3$

3. $-3^{5/8}$

5. 550 mph, 530 mph

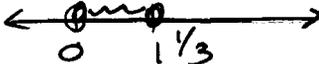
7. \$ 1.77 / lb.

9. $x < 5$



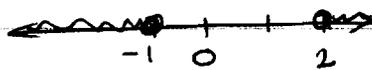
A number line with an open circle at 5 and an arrow pointing to the left, indicating the solution set $x < 5$.

11. $\frac{4}{3} \geq x \geq 0$



A number line with closed circles at 0 and 4/3, and a double-headed arrow between them, indicating the solution set $\frac{4}{3} \geq x \geq 0$.

13. $x \geq 2$ or $x \leq -1$



15. $x \leq 4$

17. $K = 1, -2$

19. $K = -18/5$

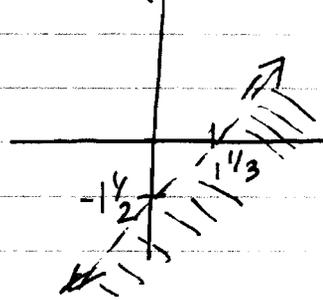
21. $y = -\frac{2}{3}x + \frac{1}{3}$

23. $x = -3$

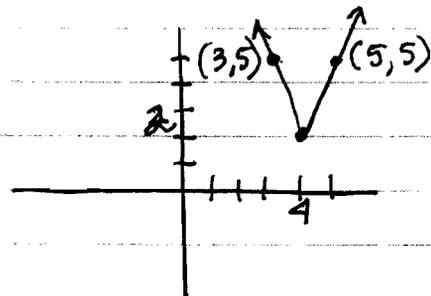
25. a) $m = \frac{64}{103}L$
 b) $L \approx 64.8$ mph.

27.

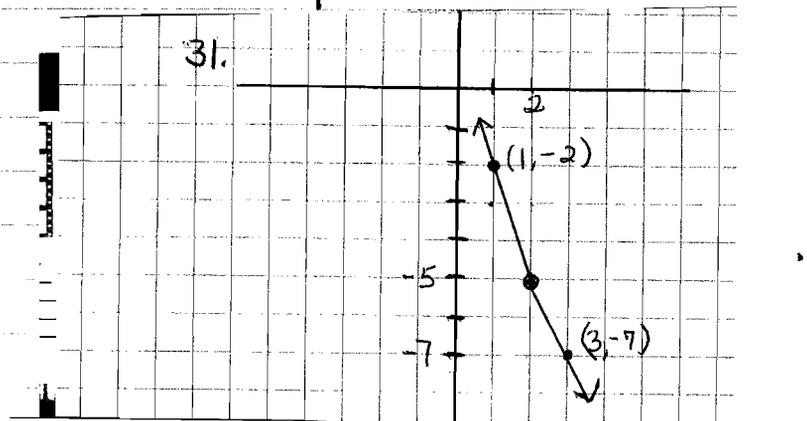
27. $\frac{3}{2}x - \frac{4}{3}y > 2$
 ints $(\frac{4}{3}, 0)$ $(0, -\frac{3}{2})$



29. vertex $(4, 2)$



31.



33. $g(-10) = -(-10)^2 + 3(-10) = -130$

35.

