LEVEL 1 Solve the following equations. Show your work. 4) $\left|\frac{1}{4}x - 9\right| = 6$ 1) |x+3| = 92) |x-5| = 83) | 6x + 3 | = 21

LEVEL 2 Solve the following inequalities. Show your work.

5) |x+2| < 56) |x+4| > 9

7)
$$|3x-6| > 3$$
 8) $|2x-3| \le 7$

LEVEL 3 Solve the following inequalities and graph their solutions. Show your work.

9) $|x+7| \ge 1$ 10) |4x-5| < 1111) |5x+4| > 0

LEVEL 4

12)

Shampoo Prices The average price of a particular brand of shampoo is \$3.26. Depending on where you shop, the price may vary by as much as \$0.25. Write an absolute value inequality describing the possible prices of the shampoo. Solve the inequality.

a) ______ b) _____