

Errata for *Basic Algebra* © 2015 by Chris Fuller (ISBN 978-1516936045)

Section 1.1, p. 5 : The first line of the definition of the absolute value of x should have a greater than or equal instead of a less than or equal. It should be

$$|x| = \begin{cases} x & \text{if } x \geq 0, \text{ or} \\ -x & \text{if } x < 0. \end{cases}$$

Section 2.6, p. 60 : The second half of the solution to Example 7 uses the incorrect slope. The solution is the equation of a line with slope $\frac{3}{8}$ passing through $(-6, 5)$ that can be found using

$$\begin{aligned} y - y_1 &= m(x - x_1) \\ y - 5 &= \frac{3}{8}(x - (-6)) \\ y - 5 &= \frac{3}{8}(x + 6) \\ y - 5 &= \frac{3}{8}x + \frac{9}{4} \\ y &= \frac{3}{8}x + \frac{29}{4} \end{aligned}$$

Solutions, p. 134 : The solution to Section 1.4 #3 should be 49.

Solutions, p. 134 : The solution to Section 1.5 #37 should be simplified to $\frac{v^{12}}{625u^{32}}$.

Solutions, p. 134 : The solution to Section 1.5 #39 should be $\frac{9d^6}{25c^{10}e^8}$.

Solutions, p. 135 : The solution to Ch. 1 Review #6 should be $2^2 \cdot 17$.

Solutions, p. 135 : The solution to Ch. 1 Review #12 should be $\frac{8}{27}$.

Solutions, p. 136 : The solution to Section 2.4 #29 should be $(-\infty, \frac{16}{9})$.

Solutions, p. 136 : The solutions to Section 2.4 #28, 30, 31, 32 are correct but should be written in interval notation: 28. $(-6, \infty)$; 30. $(-\infty, \frac{15}{4}]$; 31. $(-\infty, 38)$; 32. $[\frac{8}{29}, \infty)$.