

M123-Intermediate Algebra

Review for sections 6.6-6.7

Note: This review sheet was created to review the concepts presented in your text. Each instructor may have other problems you should review to prepare for quizzes and exams in your section of the course.

1. Solve for x (Section 6.6). $\frac{x}{3} + \frac{3}{4} = \frac{x}{12}$

2. Solve for x (Section 6.6). $\frac{2}{x-1} = \frac{3}{x}$

3. Solve for x (Section 6.6). $\frac{2}{x-3} + 4 = \frac{6}{x-3}$

4. Solve for x (Section 6.6). $\frac{3}{x^2-25} + \frac{1}{x+5} = \frac{8}{x-5}$

5. Solve for x (Section 6.6). $x + \frac{5}{x} = 6$

6. A tree casts a shadow of 39 feet when a 4-foot post nearby casts a shadow of 6 feet. How tall is the tree? (Section 6.7)

7. To estimate a deer population, a researcher captures, tags, and releases 25 deer. Several weeks later, 30 deer were caught and 7 had tags. Estimate the deer population in that area. (Section 6.7)