

The University of Toledo

COLLEGE ALGEBRA PRACTICE TEST

This test consists of 26 questions. While you may take as much as you wish, it is expected that you are able to complete it in about 45 minutes.

For proper course placement, please:

- Take the test seriously and honestly
- Do your own work without any assistance. Do not use any reference materials, calculator, or any other computing aid
- Do not guess. If you don't know how to work a problem, leave the answer blank.

8. $\frac{3}{y-1} - \frac{3}{y^2-1} =$

- A) $\frac{3y}{(y+1)(y-1)}$ B) $\frac{5y}{(y+1)(y-1)}$ C) $\frac{3y}{(y+2)(y-1)}$ D) $\frac{3y}{(y+1)(y+2)}$
E) $\frac{4y}{(y+1)(y-1)}$

9. $\frac{5}{x - \frac{1}{xy}} =$

- A) $\frac{5x}{x^2y-1}$ B) $\frac{5xy}{x^2y-2}$ C) $\frac{5xy}{x^2y-1}$ D) $\frac{5xy}{2x^2y-1}$ E) $\frac{4xy}{x^2y-1}$

10. The expression $\frac{\quad}{\frac{\quad}{n} \frac{\quad}{n}}$

$$\text{A) } \frac{-1 + \sqrt{21}}{3} \quad 1$$

22. Find

- 1) A
- 2) B
- 3) D
- 4) A
- 5) D
- 6) B
- 7) E
- 8) A
- 9) C
- 10) E
- 11) D
- 12) A
- 13) B
- 14) A
- 15) E
- 16) A
- 17) A
- 18) B
- 19) C
- 20) D
- 21) D
- 22) B
- 23) C
- 24) A
- 25) B
- 26) c