

# Testing Algebra Test

## SOLUTIONS

1. Solve the equation  $5y - 2 = 2x + 3$  for  $y$ .

- ☐  $y = 2x$
- ☐  $y = 2/5x + 2/5$
- ☐  $y = 2x + 1$
- ☒  $y = 2/5x + 1$
- ☐  $y = 1$

2. Find the slope and the y-intercept of the line  $3x - 5y - 9 = 0$ .

- ☐  $m = 5/3, b = 3$
- ☐  $m = -3, b = 4$
- ☐  $m = 3, b = -14$
- ☐  $m = 5/3, b = 9/5$
- ☒  $m = 5/3, b = -9/5$

3. In a calculus class, 15 of the students play soccer. Find the total number of students in the class if 3 out of every 5 play soccer.

- ☒ 25
- ☐ 9
- ☐  $45/8$
- ☐ 40
- ☐ 21