

# 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