

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