

# Math 1513 - College Algebra

## Quiz #8 - 2011.09.13

### Solutions

---

1. Name the three common forms for the equation of a line, and give an example of each.

The three forms are standard form, point-slope form, and slope-intercept form. As example of each, respectively:

$$2x + 5y = 7, \quad y - 3 = 4(x + 2), \quad y = 4x + 2$$

2. Compute the midpoint between the points  $P = (2, 4)$  and  $Q = (-3, 2)$ .

$$\begin{aligned} M &= \left( \frac{2 - 3}{2}, \frac{4 + 2}{2} \right) \\ &= \left( -\frac{1}{2}, 3 \right) \end{aligned}$$