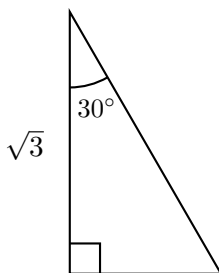# Review Quiz
Nikos Apostolakis

1. A line passes through the points with coordinates $(1, 2)$ and $(2, 4)$. Find an equation of the line.

2. Solve the following equation:
$$x^2 + 6x - 10 = 0$$

3. Solve for x and y: $\qquad \begin{cases} 2x - 3y &= 18 \\ 4x + 2y &= 4 \end{cases}$

4. Given $\sin 60° = \dfrac{\sqrt{3}}{2}$ find the remaining two sides of the following right triangle.

5. Evaluate: $\quad \log_{10} 1000$

6. Find the center and the radius of the following circle: $x^2 - 6x + y^2 + 4y = -4$

7. Consider the parabola $y = x^2 + 4x + 1$. Find the axis, the vertex and possible x and y intercepts.