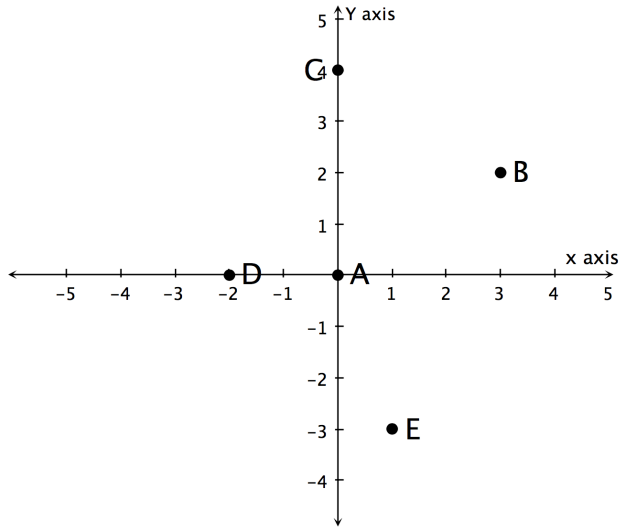# COLLEGE ALGEBRA QUIZ

(1) Determine the coordinates of points A, B, C, D, and E.

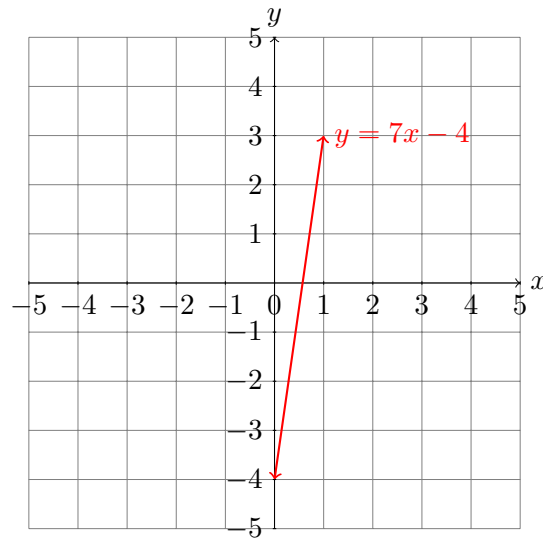
Solution: A:(0,0), B:(3,2), C:(0,4), D:(-2,0), E:(1,-3)

(2) Determine whether the given ordered pairs are solutions of the following equation.
$(0, \frac{3}{2}), (\frac{2}{5}, 1); 5x + 4y = 6$.
Solution: Yes, Yes

(3) Graph the equation. $7x - y = 4$.
  Solution:

(4) Find the midpoint and distance between the pair of points. $(-5, 6)$ and $(-5, 8)$.
  Solution: Midpoint: (5,7), Distance: 2

(5) Determine the center and the radius of the circle. Then graph the circle.
$$(x - 2)^2 + (y + 7)^2 = 25$$

Solution: Center: (2,-7), Radius: 5