

Name \_\_\_\_\_

No Calculators are Permitted

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

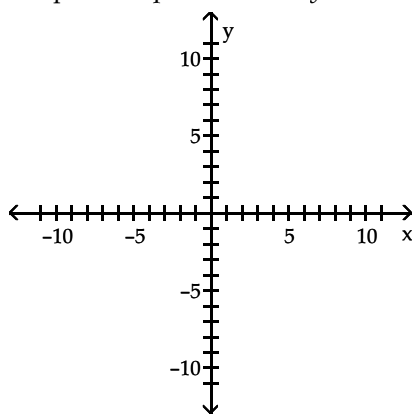
1) Completely factor:  $3ax + 9ay$  1) \_\_\_\_\_

2) Completely factor:  $x^2 - 36$  2) \_\_\_\_\_

3) Completely factor:  $x^2 + 4x + 3$  3) \_\_\_\_\_

4) Completely factor:  $x^{7/5}y^3 - 35x^{2/5}y^4$  4) \_\_\_\_\_

5) Graph the equation  $3x + 4y - 12 = 0$ . 5) \_\_\_\_\_



6) Find the slope-intercept form of an equation of the line that passes through the point (2, 0) and has slope 4. 6) \_\_\_\_\_

7) Find a general linear equation of the line that passes through the points (-2, 5) and (5, 2). 7) \_\_\_\_\_

8) Find the value and simplify:  $9^{3/2}$  8) \_\_\_\_\_

9) Find the value and simplify:  $(3^4)^{3/4}$  9) \_\_\_\_\_

10) Find the value and simplify:  $\left(\frac{25}{4}\right)^{-1/2}$  10) \_\_\_\_\_