

Name _____

No Calculators are Permitted

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

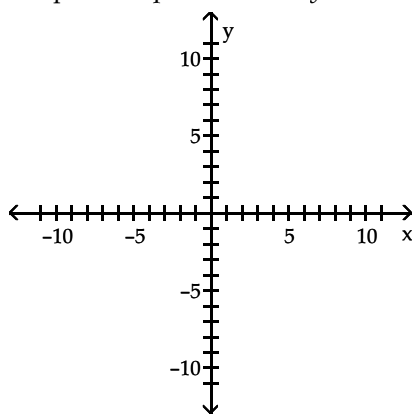
1) Completely factor: $3ax + 9ay$ 1) _____

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) _____

Answer Key

Testname: 5701-PRECALC-REVIEW

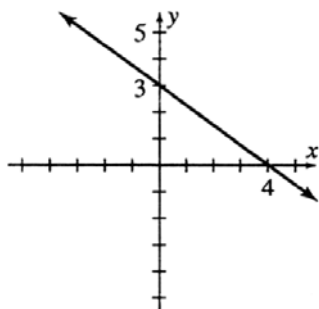
1) $3a(x + 3y)$

2) $(x + 6)(x - 6)$

3) $(x + 1)(x + 3)$

4) $x^{2/5}y^3(x - 35y)$

5)



6) $y = 4x - 8$

7) $3x + 7y - 29 = 0$

8) 27

9) 27

10) $\frac{2}{5}$