

Name: _____

GSE H ALGEBRA I Pre-Req. Packet PRACTICE Quiz

Round the following numbers to the thousandth place.

1. -1437.2595 _____

Round the following to the tenth place.

2. $4,497.381$ _____

Evaluate the expression for the value of x specified in each problem.

3. Let $x = -2$ Evaluate: $6(x - 3) + 2x$

4. Let $x = 3$ Evaluate: $-6(x + 1) - 4(7 - x)$

Solve for x .

5. $3x + 11 = 38$

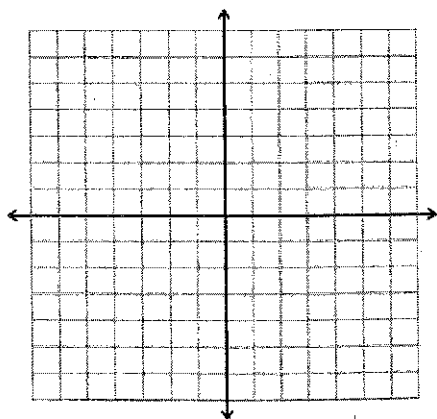
6. $3(x - 4) = 5x + 16$

Solve the system of equations by substitution or elimination.

7.
$$\begin{aligned} x - 5y &= 1 \\ 2x - 9y &= 3 \end{aligned}$$

Graph the Equation

8. $9x - 3y = 12$



Simplify each Exponential Expression

9. $2a^3 * 3a =$ _____

List the factors of each and circle the Greatest Common Factor (GCF):

10. 36 _____

64 _____

Name: Key

GSE H ALGEBRA I Pre-Req. Packet PRACTICE Quiz

Round the following numbers to the thousandth place.

1. -1437.2595 -1437.260

Round the following to the tenth place.

2. $4,497.381$ $4,497.4$

Evaluate the expression for the value of x specified in each problem.

3. Let $x = -2$ Evaluate: $6(x - 3) + 2x$

$$6(-2-3)+2(-2)$$
$$-30-4 = \boxed{-34}$$

4. Let $x = 3$ Evaluate: $-6(x + 1) - 4(7 - x)$

$$-6(3+1)-4(7-3)$$
$$-6(4)-4(4)$$
$$-24-16 = \boxed{-40}$$

Solve for x .

5. $3x + 11 = 38$

$$3x = 27$$
$$\boxed{x = 9}$$

6. $3(x - 4) = 5x + 16$

$$3x - 12 = 5x + 16$$
$$-12 = 2x + 16$$
$$-28 = 2x$$
$$\boxed{-14 = x}$$

Solve the system of equations by substitution or elimination.

7. $\begin{cases} x - 5y = 1 \\ 2x - 9y = 3 \end{cases}$

$$\begin{array}{r} -2x + 10y = -2 \\ 2x - 9y = 3 \\ \hline y = 1 \end{array}$$

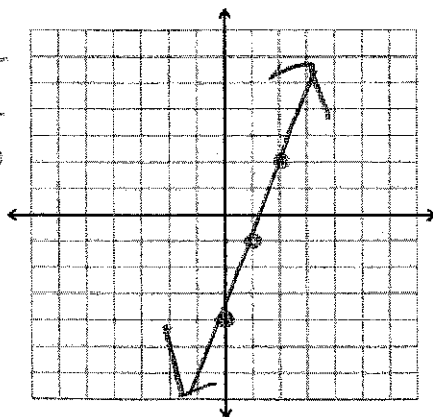
$$x - 5(1) = 1$$
$$x - 5 = 1$$
$$\boxed{x = 6}$$

Graph the Equation

8. $9x - 3y = 12$

$$\begin{array}{r} -9x \\ -3y = -9x + 12 \\ -3 \quad -3 \quad -3 \end{array}$$

$$y = 3x - 4$$



Simplify each Exponential Expression

9. $2a^3 * 3a =$ $6a^4$

List the factors of each and circle the Greatest Common Factor (GCF):

10. 36 1, 2, 3, 4, 6, 9, 12, 36 64 1, 2, 4, 8, 16, 32, 64