After Exam 1

Show all work in the space provided. Circle answers

1) Write in roster method: {x | x is a natural number greater than 9}

2) Write in set-builder notation, and graph on the number line: (-2, 5)

3) Solve for d: L = a + (n – 1)d

Simplify

4) $\left(6-9\right)\left(8-12\right)\div\frac{5^2+4\div2}{8^2-9^2+8}$

5) $\left(-2x^{-5}y^4z^2\right)^{-3}$

6) $18x^2+4-\left[6\left(x^2-2\right)+5\right]$

7) $\left(-3x^4y^0z\right)\left(-7xyz^3\right)$

8) $\left(\frac{-20b^2c^4}{-2a}\right)^{-2}$

9) $\left(\frac{-10b^2c^4}{-a}\right)^{-2}$

10) $13y^o$

11) Solve the equation: 2 – (7x + 5) = 13 – 3x

12) Write the English phases as an algebraic expression. Let x represent the number:
A number decreased by the sum of the number and four