Name each property by writing the letter the property matches before each problem.

$$) \quad \underline{\qquad} \quad (6 \cdot 18) \cdot 3 = 6 \cdot (18 \cdot 3)$$

$$(r + s) \cdot 25 = (s + r) \cdot 25$$

$$(18 + y) + 0 = 18 + y$$

$$(5)$$
 $(7 + 19) = 8 \cdot 7 + 8 \cdot 19$

$$_{7}$$
) $_{24(0)} = 0$

- A. Identity Property for Addition
- B. Commutative Property for Addition
- C. Associative Property for Addition
- D. Commutative Property for Multiplication
- E. Identity Property for Multiplication
- F. Associative Property for Multiplication
- G. Zero Property for Multiplication
- H. Distributive Propérty for Addition

Evaluate each expression.

$$\boxed{3}$$
 $[-52] + [15] - 5$

Write a variable expression for each word phrase. Use coefficients when needed.

the product of – 3 and a number increased by 14

(1) the quotient of a number and – 10 decreased by 5

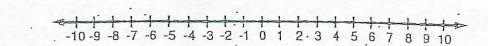
(3) 6 less than 2 times a number _____

9 more than a number, divided by – 8

Graph the equation on the number line.

(5)

$$-8 + 14 = 6$$



(16)

$$3 + -4 = -1$$

ompmy each expression using the order of operations. Show an steps for credit.

$$7^2 + 56 \div 7 - 6^2$$

$$7^{2} + 56 \div 7 - 6^{2} \qquad 12^{2} - (-5 - 4) \qquad \frac{384}{-4}$$

$$\frac{8^2 + (-10 + 21)}{3^3 - 36 \div 18}$$

$$\frac{-3(4-11)}{2^3-3^0}$$

Evaluate each expression for

$$x = 3$$

$$x = 3$$
 $y = -4$ $z = -6$

$$z = -6$$

$$2(x - y) - (-10)$$

$$\frac{10y + 5x + 8^{0}}{2y - z}$$

Solve each equation using inverse operations. Show all steps for credit. Label when needed.

$$-26 = x - 19$$

$$-18 + r = -37$$

$$(34)$$
 672 = $-24b$

$$23 = \frac{x}{-11}$$

After his payment, Mr. Weber's credit card balance was \$245.76. His payment was for \$75.00. Write and solve an equation to find the amount of his credit card bill.

T.J. gave 16 books to the library book sale. This was $\frac{1}{3}$ of his books. Write and solve an equation to determine how many books b T.J. had.

Jar candles at the Candle Co. cost \$4. Nikki spent \$92 buying jar candles for party favors. Write and solve an equation to determine how many jar candles c Nikki bought at the Candle Co.