Bellringer:

1. To which sets of numbers does the following numbers belong?

a.) $\sqrt{31}$ Irrational Real

b.) $12/3 = 4$ N, W, Z, R, IR

c.) π : I, IR

2. Solve for x: $2x+32=5$

$2x = -27$

$x = \frac{-27}{2}$

variable : letter or symbol representing number(s)

variable expression } – math expression w/variables

algebraic expression } same

evaluate – calculate and answer

term – groups of algebra stuff

$3x^2 + 14x - 6$.

coefficient

number in each group

Simplify:

ex.) $4x + 2x = 6x$

ex.) $2h + 3j + 4h + 9hj$

$$6h + 3j + 9hj$$

Simplify

$$-(m-n)+2(m-3n)$$

$$-m+n+2m-6n$$

$$\boxed{m-5n}$$

Evaluate

$4xy + 2x - y$: $y = 3$ $x = -2$

$4(-2)(3) + 2(-2) - 3$

$-24 - 4 - 3$

-31

$-x^2+3x+4 \qquad x=5$

$-5^2+3(5)+4$

$-25+15+4$

-6

$5^2=25$

$-5^2=-25$

$(-5)^2=25$

$-x^2+3 \qquad x=-9$

$-(-9)^2+3$

$-81+3$

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#(3-39) 3's

* 3, 6, 9, 12, 15 . . .