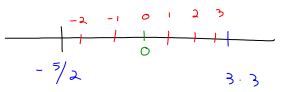
September 2, 2015

Real

Rational Irrational

Integers



$-\frac{5}{2}$ 3.3

$-2\frac{1}{2}$ $\{-2, -1, 0, 1, 2, 3, \}$

$C = \{x \mid x$ is a student in math 1111 cen 9073$\}$

Sep 2-11:04 AM

#3)

$-\frac{1}{2} + [(-2+3)+1]^2 \div 4 + 2 \times \frac{1}{2} - \frac{1}{2}$

$-\frac{1}{2} + [1+1]^2 \div 4 + 2 \times \frac{1}{2} - \frac{1}{2}$

$-\frac{1}{2} + [2]^2 \div 4 + 2 \times \frac{1}{2} - \frac{1}{2}$

$-\frac{1}{2} + 4 \div 4 + 2 \times \frac{1}{2} - \frac{1}{2}$

$-\frac{1}{2} + 1 + 2 \times \frac{1}{2} - \frac{1}{2}$

$-\frac{1}{2} + \frac{1}{1} + 1 - \frac{1}{2}$

$\frac{-1+2}{2}$

$\frac{1}{2} + \frac{1}{1} - \frac{1}{2}$

$\frac{1+2}{2}$

$\frac{3}{2} - \frac{1}{2} = \frac{3-1}{2} = \frac{2}{2} = 1$

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10 $\left(2y - \frac{3}{2} = \frac{4}{5}y + 1\right)$

$20y - 15 = 8y + 10$

$12y = 25$

$y = \frac{25}{12}$

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$3.\overline{2}$

Let $x = 3.\overline{2} \approx 3.222\ldots$

$10x = 10(3.222\ldots)$

$10x = 32.222\ldots$

$-\ x = 3.222\ldots$

$9x = 29.0$

$x = \frac{29}{9}$

3.22

$9 \overline{)29.0}$

-27

20

-18

2

Sep 2-11:24 AM

$5x - 3 \leq 12x + 11$

$+3 \quad +3$

$-12x \quad -12x$

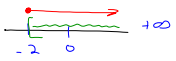
$-7x \leq 14$

$\frac{-7x}{-7} \leq \frac{14}{-7}$

$x \geq -2$

S.S.: $\{x \mid x \geq -2\}$

Interval: $[-2, \infty)$



CK

$x = 0$

$5(0) - 3 \leq 12(0) + 11$

$0 - 3 \leq 0 + 11$ true!

Sep 2-11:28 AM

For Tuesday

Completing the Square

Quadratic Formula

Equations w/ a fraction

$\frac{1}{x+2}$, $\frac{1}{x-3}$

Sep 2-11:34 AM