Solving Equations Review

Turn in any signed papers to the correct tray (3)

Pick up the paper at the front!!

Activity 8

Name: _____

A	B	C	D	E	F	
$-\frac{1}{2}$	$\frac{1}{2}$	$2\frac{1}{2}$	$-\frac{5}{8}$	$-\frac{1}{2}$	$\frac{2}{3}$	1
$\frac{2}{3}$	$-\frac{1}{2}$	1	-1	$\frac{1}{2}$	$-\frac{1}{2}$	2
$\frac{1}{4}$	-3	$-2\frac{1}{2}$	-2	$\frac{1}{4}$	-3	3
$1\frac{2}{3}$	$-4\frac{1}{2}$	$3\frac{1}{2}$	$-\frac{1}{5}$	$1\frac{2}{3}$	$-4\frac{1}{2}$	4
$-\frac{1}{2}$	$\frac{2}{3}$	$2\frac{1}{2}$	$-\frac{5}{8}$	$-\frac{1}{2}$	$\frac{1}{2}$	5
$\frac{1}{2}$	$-\frac{1}{2}$	1	-1	$\frac{2}{3}$	$-\frac{1}{2}$	6

Solve each equation.

$3x - 2 = 2x - 3$

$3 - 4x = -4 - 2x$

$-5x - 3 = 3 - 3x$

$-2(3 - x) = -(x + 1)$

$-2x + 3(-1 + x) = x - (2x + 4)$

$x^2 - 2(3 - 2x) = -x(5 - x)$

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

$-\frac{3x}{4} + \frac{3}{8} = \frac{3}{16}$

$\frac{3}{x} - 5 = 5 + \frac{5}{x}$

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

$5 - 3(1 - 2x) = x - 3 - 3x$

$x(3 - 2x) = -2x(x - 3) + 6$

$(x^2 - 2) - (x^2 + x) = 10 - (3 - x)$

$\frac{x}{2} - \frac{2x}{5} = \frac{1}{4}$

$2(1 - x) = 3(-x + 1)$

Solving Equations Review

$$3x - 2 = 2x - 3$$

$$+2 \qquad\qquad +2$$

$$3x = 2x - 1$$

$$-2x \qquad -2x$$

$$\boxed{x = -1}$$

Solving Equations Review

$$-2(3-x) = -1(x+1)$$

$$-6 + 2x = -1x - 1$$

$$+x \qquad +x$$

$$-6 + 3x = -1$$

$$+6 \qquad +6$$

$$\frac{3x}{3} = \frac{5}{3}$$

$$\boxed{x = \frac{5}{3}}$$

$1\frac{2}{3}$

Solving Equations Review

$$2 - 1(x + 4) = x - 3$$

$$2 - x - 4 = x - 3$$

$$-x - 2 = x - 3$$

$$+2 \qquad +2$$

$$-x = x - 1$$

$$-x \qquad -x$$

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

$$x = 1/2$$

Solving Equations Review

$$x^2 - 2(3 - 2x) = -x(5 - x)$$

$$\cancel{x^2} - 6 + 4x = -5x + \cancel{x^2}$$

$$\cancel{-x^2} \qquad \cancel{-x^2}$$

$$-6 + 4x = -5x$$

$$-4x \qquad -4x$$

$$\frac{-6}{-9} = \frac{-9x}{-9}$$

$$\frac{6}{9} = x$$

$$\boxed{\frac{2}{3} = x}$$

Solving Equations Review

CD: $\frac{}{2}$ $\frac{}{5}$ $\frac{}{10}$

$$\frac{5}{5}\cdot\frac{x}{2} - \frac{2x}{5}\cdot\frac{2}{2} = \frac{1}{4}$$

$$\frac{5x}{10} - \frac{4x}{10} = \frac{1}{4}$$

$$\frac{5x-4x}{10} = \frac{1}{4}$$

$$\cancel{\frac{x}{10} = \frac{1}{4}}$$

$$\frac{4x}{4} = \frac{10}{4}$$

$$x = \frac{5}{2}$$

$2\frac{1}{2}$

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$x(3 - 2x) = -2x(x - 3) + 6$

$(x^2 - 2) - (x^2 + x) = 10 - (3 - x)$

$\frac{x}{2} - \frac{2x}{5} = \frac{1}{4}$

$2(1 - x) = 3(-x + 1)$

Solving Equations Review

I will send out the colored picture through remind tonight (text @mskpc to 81010). You don't have to color but you must show your work!!!!