September 16, 2016

$|x^2| - y^2$ $\quad x=-5,\ y=-4$

$|(-5)^2| - (-4)^2$ $\quad (-2)^4$ or -2^4

$|25| - (16)$

$25 + (+16) = 9$

Sep 16-9:50 AM

Solving Equations

A.) one-step eq.

$x + 4$

$x = 8$ $\quad 8 + 4 = 12$

$12 - 4 = 8$

$x + 5 = 9$

$-5 \quad -5$

$x = 4$

$4 + 5 = 9$

$9 = 9$ ✓

Sep 16-10:14 AM

A.) Do core 2.1

B.) multi-step

$3y - 2 = -29$

$+2 \quad +2$

$\frac{3y}{3} = \frac{-27}{3}$

$y = -9$ ✓

$\frac{1}{3} \cdot \frac{3}{1} = \frac{3}{3} = 1$

Check

$3(-9) - 2 = -29$

$-27 - 2 = -29$

$(-27) + (-2)$

$-29 = -29$ ✓

Sep 16-10:19 AM

#1) $\frac{10}{1}\left(\frac{r}{10} + \frac{4}{1} = \frac{5}{1}\right)$ LCD: $10 = \frac{10}{1}$

* when solving equations containing fractions, always find & distribute the LCD through the whole equation

$r + 40 = 50$

$-40 \quad -40$

$r = 10$

ck

$\frac{10}{10} + 4 = 5$

$1 + 4 = 5$

$5 = 5$ ✓

Sep 16-10:30 AM

$\frac{r}{10} + 4 = 5$

$-4 \quad -4$

$\frac{10}{1}\left(\frac{r}{10} = 1\right)$

$r = 10$

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#5) $2\left(\frac{k-10}{2} = -7\right)$ LCD: 2

$\frac{2}{1} \cdot \frac{k-10}{2}$

$k - 10 = -14$

$k = -4$

ck

$\frac{-4-10}{2} = -7$

$-\frac{14}{2} = -7$

$-7 = -7$ ✓

Sep 16-10:35 AM