Curriculum Outcomes:

PR1: Generalize a pattern arising from a problem-solving context using linear equations and verify by substitution.

PR3. Model and solve problems using linear equations of the form:

ax = b; = b, a \neq 0; ax + b = c; +b = c, a \neq 0; = b, $x \neq$ 0 ax ax xa ax + b = cx + d; a(bx + c) = d(ex + f); a(x + b) = c; ax = b + cx concretely, pictorially and symbolically, where a, b, c, d, e, and f are rational numbers

Student Friendly:

"Rearranging an equation with variables on both side of the equal sign"



Solve for the "unknown" variable (Use inverse operation and SHOW ALL WORK)

1)
$$-2r^{1}-7 = 25^{2}$$

$$2) -3(n+3) = 15 q$$

$$-3+ 9 = 15^{2}$$

$$-8p + 10p + 10p$$



Solve for the "unknown" variable (Use inverse operation and SHOW ALL WORK)

1)
$$(-2r)^{2} - 7 = 25$$
 $(-3h)^{2} = 15$
 $(-3h)^{2} = 15$



Solve for the "unknown" variable (Use inverse operation and SHOW ALL WORK)

1)
$$\frac{-6}{r} = 24$$

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

3)
$$\frac{2}{3}$$
 (6x - 18) = 2x - 6

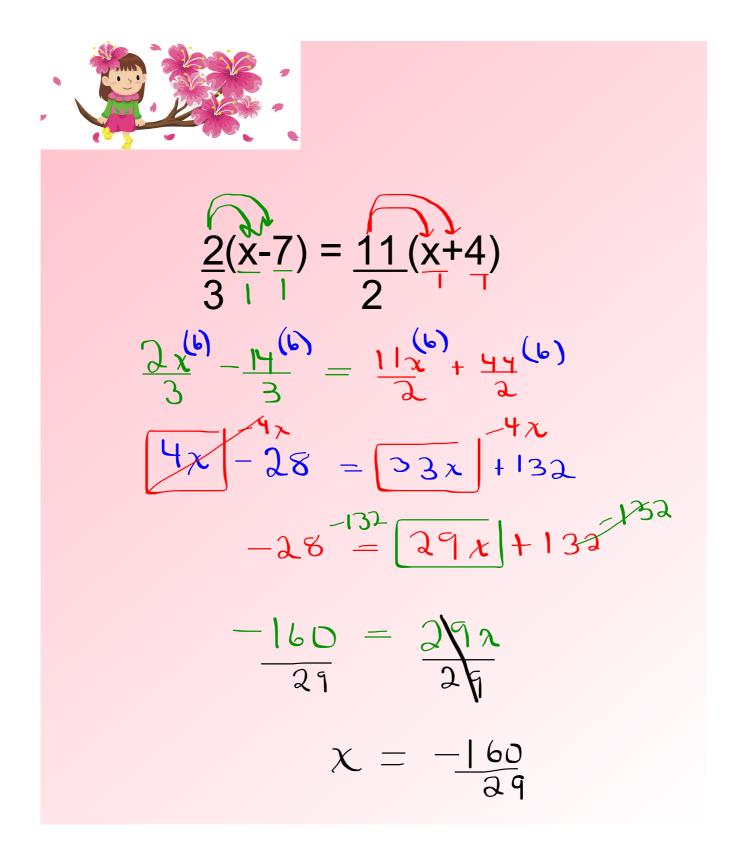
4)
$$\frac{3x}{4} - \frac{1}{6} = \frac{5x}{6} - \frac{1}{4}$$

$$\frac{2}{3}x + \frac{4}{5} = -4$$



$$\frac{5}{2} - \frac{2}{3}x = \frac{1}{6}x$$





Gass Homework

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#11(b,d) #16 (ai) #17(ac) 19(a,b) #21(a,b) #11(ace) #16 (aii) #17(bd) #18 19(cd) #21(c)