Curriculum Outcomes:

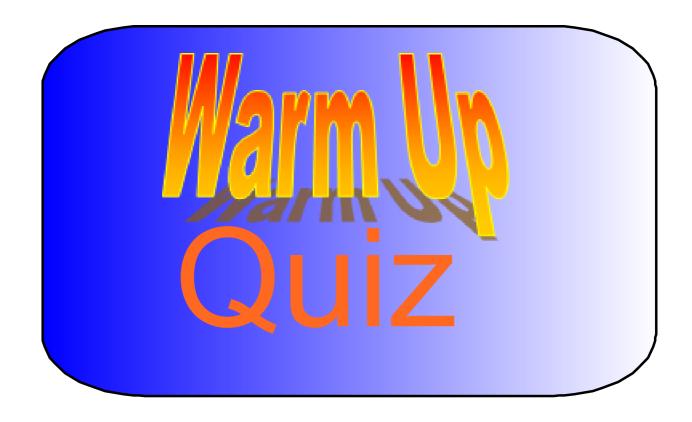
PR1: Generalize a pattern arising from a problem-solving context using linear equations and verify by substitution.

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"



last night's homework



Page 281 - 283

6

#8

#10

Any Questions??????



multiply by the lowes common multiple

$$5a = a^{(12)} + 2^{(12)}$$
4 6

$$\frac{60a}{4} = \frac{12a}{6} + 24$$

$$15a = 2x + 24$$

$$13a = 24$$

$$13 = 24$$

$$a = \frac{14}{13}$$
 or $|\frac{11}{13}$

$$\frac{5(r)}{r} + 2 = 6r$$

$$5 + 2r = 6r$$

$$5 = 4r$$

$$5 = 4$$

$$7 = 5$$

$$= 1.25$$

$$= 1.4$$

Two restaurants charge different rates for catering a party



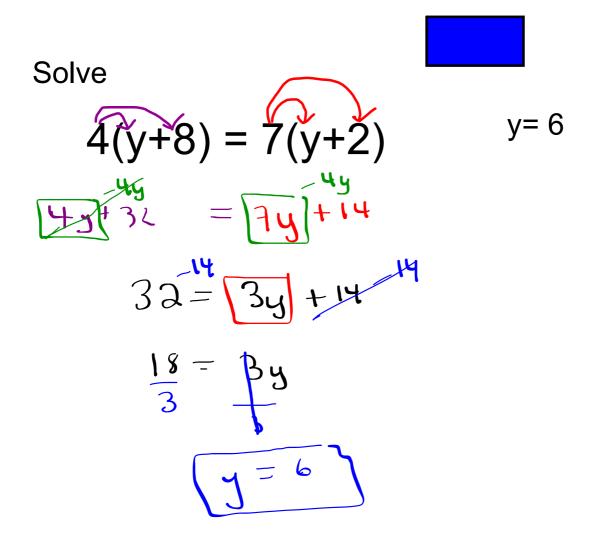
Company A: \$30 plate plus an addition flat fee of \$300

Company B: \$55 a plate

Dinner

When do the two companies charge the same amount???

$$\frac{300}{25} = \frac{25}{25}p$$



$$\frac{2}{3}(6x + 9) = \frac{1}{2}(10x - 2)$$

$$x = 7$$

$$\frac{12x}{3} + \frac{18}{3} = \frac{10x}{2} - \frac{2}{2}$$

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

$$6^{+1} = x - 1$$

$$\frac{2}{3}(5x+2) = \frac{1}{2}(7x-3)$$

$$x = 17$$







Page 281 - 283

#11(b,d) #16 (ai) #17(ac) 19(a,b) #21(a,b) When you see fractions you must work with fractions