

### Unit 3 Solving equations and proportions review

E2 Solving an Equation with 1 variable term

Solve the following.

1)  $X+5=14$

2)  $5X-2=38$

### E3 Solving an equation with 2 variables

Solve

3)  $2+7x=2x-3$

4) Check your answer from the above question

<i>Left side</i>	<i>Right side</i>

5) Solving with brackets

$$12(5-x)=72$$

## E4 Unit Rate and Ratio

6) Find the unit rate for the following  
770 Km in 7 hours

Ratio

7) Find an equivalent ratio for the following:  
25:200

## E5 Solve Proportions

8) Solve the following:

a)  $x:12 = 9:36$

b)  $5:18 = 60:x$

E6 Application

E7 Understand that algebra terms represent numbers

9) The cost of renting a hall for a wedding can be calculated using  **$C=400+30x$**

where  **$C$ =cost** and  **$x$ = # of people**.

Find the cost of renting the Edelweiss Tavern in Kitchener if **800 people** attend a wedding.