FMP 10 LG 15A (Formative Assessment)

Marking Teacher: _____ **Name: _____**

Student #: _____

1. Write a linear system to model this situation:

A group of students and adults went to the IMAX Theatre in Victoria. The admission fee was $15 for a student and $20 for an adult. The total cost for the 30 people was $475.

2. Create a situation that can be modeled by the following linear system:

$5x - 12y = 166$
$x + y = 40$

3. Write a linear system to model this situation:

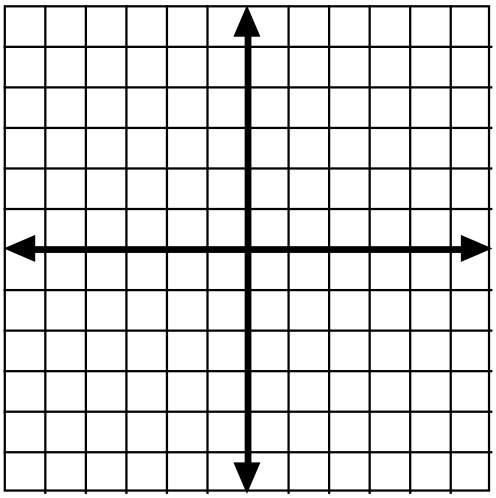
A fitness club offers two payment plans: (Use **F** for the total fee and **v** is the number of visits.)

Plan A: an initiation fee of $100 plus a user fee of $8 per visit.
Plan B: a user fee of $12 per visit.

4. Solve the following liner system by graphing:

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

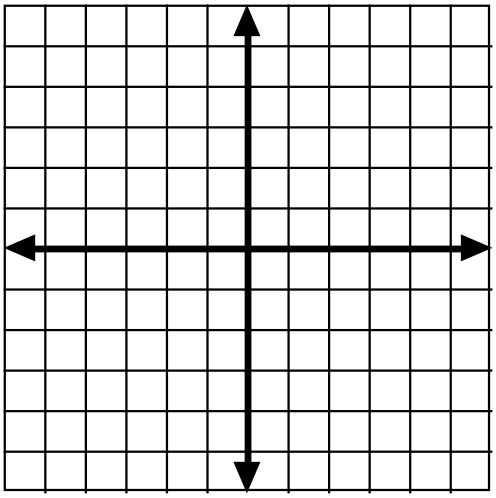
$y = 2x - 4$



5. Solve the following liner system by graphing:

$2x + 2y = -2$

$2x - 3y = 8$



Directions: ☐ **See me about this** ☐ **Move on to next guide** ☐ **Review and redo**

FMP 10 LG 15B (Formative Assessment)

Marking Teacher: _____ **Name: _____**

Student #: _____

1. Write a linear system to model this situation:

A group of students and adults went to the Provincial Museum in Victoria. The admission fee was $10 for a student and $15 for an adult. The total cost for the 40 people was $450.

2. Create a situation that can be modeled by the following linear system:

$3x + 7y = 130$
$x + y = 30$

3. Write a linear system to model this situation:

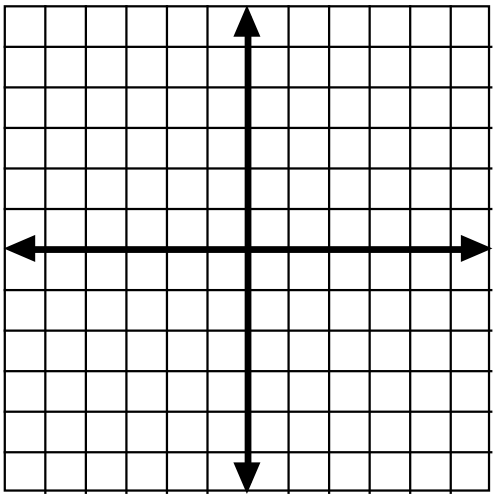
A golf club offers two payment plans: (Use **F** for the total fee and **r** is the number of rounds.)

Plan A: an initiation fee of $500 plus a user fee of $25 per round.
Plan B: a user fee of $40 per round.

4. Solve the following liner system by graphing:

$y = \frac{2}{3}x - 2$

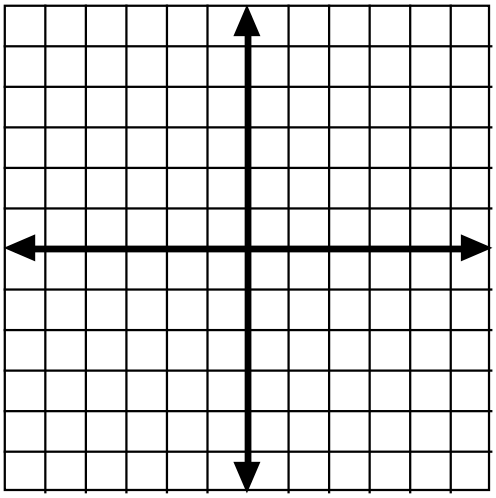
$y = -x + 3$



5. Solve the following liner system by graphing:

$x + 3y = -6$

$2x - 3y = 6$



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