

# **Adult Upgrading**

## **PRACTICE MATHEMATICS SKILLS ASSESSMENT**

Calculators are not to be used during the assessment.

## **Fundamental Level - MATH 040, 050 & 060**

Addition, subtraction, multiplication and division using whole numbers, decimals and fractions are some of the topics covered in the Fundamental level. There is also an introduction to estimation, percent, ratios and proportions.

### **Sample Questions:**

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1. Solve the following proportion.

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

2. If 1 g = 1000 mg,  
How many g are in  
700 mg?

3. Simplify  $\frac{\quad}{\quad}$ .

4. Evaluate using the  
correct order of  
operations.  
(i.e. BEDMAS)

$$40 - 2^2 + 3^2 \div 5$$

5. Find the area and  
the perimeter of the  
rectangle.

6. Find the average of  
6, 8 and 16.

7. Divide.

8. Subtract.

9. Write the correct  
symbol, (greater  
than) or (less  
than)

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10. Evaluate the  
expression

$$\frac{x}{2} + 5 \text{ when } x = 8$$



28. Solve.

— —

29. Subtract and simplify.

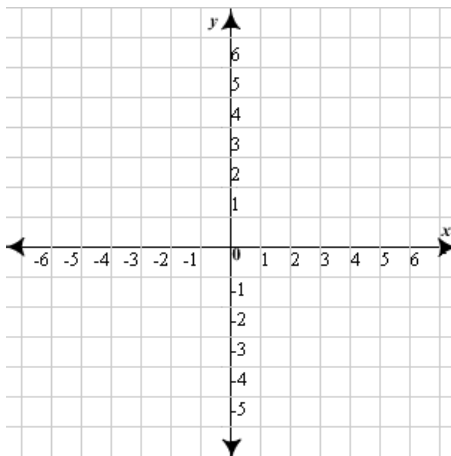
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30. Simplify.

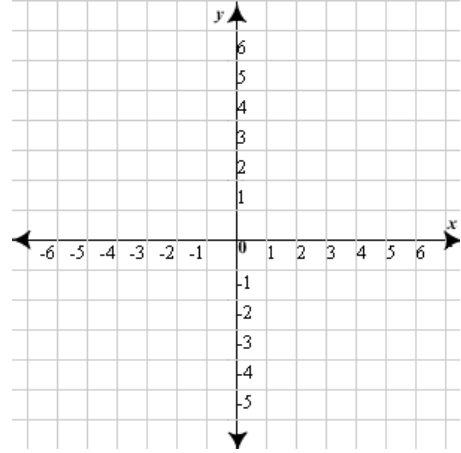
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31. Graph.

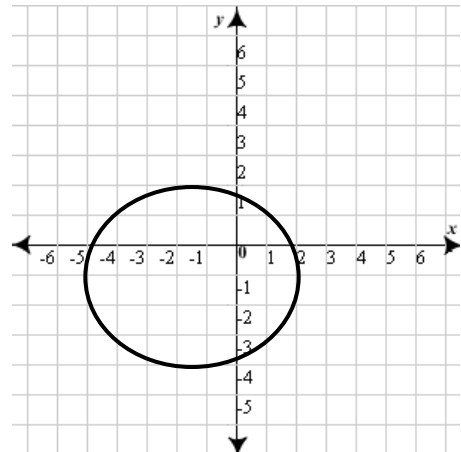
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32. Graph . Find the vertex, the line of symmetry, and the maximum or minimum value.



33. Find the domain and the range.



### Provincial Level - MATH 012

MATH 012 is equivalent to Pre-Calculus 12. Students who complete most of the questions on the Math Skills Assessment correctly may be placed into MATH 012.

