

# MATH072/137/139 Readiness Check

Work through the questions below to see if you are prepared for Math 072, 137 or 139. The answer key is at the back of this worksheet.

- o If you get at least 24 questions correct, and it takes you less than 2 hours to complete, you are probably ready for Math 072, 137 or 139
- o If you get less than 24 questions correct or it takes you more than 2 hours to complete these exercises, then you are not ready for Math 072, 137 or 139 and should do one of the following:
  - ¾ Take Math 052 or 053. These are self-paced and continuous entry courses so if there's room you can usually register at any time of the year. You may also be eligible for the Adult Upgrading Grant to cover your tuition) or
  - ¾ Write a placement test to determine your best starting point.

No calculators

1. Subtract:  $3\frac{1}{4} - 2\frac{5}{12}$
2. Divide:  $\frac{7}{15} \div \frac{2}{5}$
3. Evaluate  $\frac{2}{3} + 4 - \frac{1}{4}$
4. Reduce the fraction  $\frac{192}{120}$
5. Evaluate  $5.24 - 3.78$
6. Find the perimeter and area
9. Evaluate

13

$$3 \overline{) 817}$$

10. Simplify:  $2x + [5 - 4(3x - 1)]$
11. Simplify:  $\frac{24}{\quad}$

13. Simplify:



31. Factor:  $6a^3b^2 - 15a^2b - 3ab$

32. Factor:  $x^2 - 5x - 84$

Answer Key

1.  $\frac{5}{6}$       2.  $\frac{7}{6}$       3.  $\frac{5}{2}$       4.  $\frac{8}{5}$       5. 1.46

6.. P 9cm A 4.76cm<sup>2</sup>      7.126m<sup>2</sup>      8.  $\frac{64}{9}$       9. 27

10, 14x 9      11. 3      12 2x      13.  $\frac{7}{6}$ a  $\frac{19}{20}$ b      14. i) True ii) False

15. a 7