ARE YOU READY FOR MTH 60?

Below are some of the skills you should have BEFORE entering MTH 60.

Do not use a calculator.

- 1) $5 3(5 + 3 * 3^2) =$
- 2) 2 + $\frac{4+3*2}{2}$ =

3)
$$-3 + 2 + \sqrt{36} - 2^3 =$$

4)
$$\frac{1}{4} + \frac{1}{6} - \left(\frac{2}{3}\right) =$$

- 5) 1.6(3) .12=
- 6) Solve for x: $\frac{7}{9} = \frac{10}{x}$
- 7) $2\frac{3}{5} \frac{7}{10} =$

$$8) \frac{5}{8} \div \left(-\frac{5}{4}\right) =$$

9) Write 15% as a fraction (lowest terms) and a decimal

- 10) What number is 35% of 60?
- 11) Write the prime factorization of 24 using exponents.
- 12) Find the sale price for a \$85 sweater that is 30% off.
- 13) If a car travels at 55 miles per hour, how long will it take to drive 300 miles?
- 14) This week the sale price of a car is \$8000. Last week it was \$10000. What is the percent of decrease?
- 15) Jane finds five cool rocks on the beach every 50 hours she looks. About how many rocks would she find if she walked a total of 40 hours?

SOLUTIONS ?

RU Ready 4 MTH60?

(2) $a + \frac{4+3\cdot a}{2}$ $() 5-3(5+3\cdot3^{\circ})$ $(3) - 3 + 2 + \sqrt{36} - 2^3$ $5 - 3 (5 + 3 \cdot 9)$ -3+2+6-8 2+ 4+6 5-3(5+27) (-3)5-3(32) 2+19 5-96 (-91 2+5=(7)









9)
$$|5\% = 15 \div 5$$

 $100 \div 5$
 $|5\% = .15$

(10)
$$35\% \circ 6 \circ f 60$$
 (1) 24
 $(35)(60)$ (2) 12
 35×60 (2) 12
 2×3
(2) 2×3
(3) $85 - 30\% \circ ff$
 $35 - 35\% \circ ff$
 $55 \times 55 \times 55\% \circ ff$
 $35 \times 55 \times 55\% \circ ff$
 $55 \times 55 \times 55\% \circ ff$
 $50 \times 40 \times 200 = 50 \times (X = 4)$
