

Math 081 Midterm Review

① $-3 + -9 =$

② $\frac{-16}{4} =$

③ $\frac{1}{3} + \frac{9}{3} =$

④ $\frac{2}{3} + \frac{4}{5} =$

⑤ $\frac{3}{7} \div \frac{2}{5} =$

⑥ Simplify: $4x + 12 - 8x - 4$

⑦ Simplify: $5(3x - 2) - 2(2x - 4)$

⑧ Simplify: $-3 + 8(3-5) \div 4 + 6$

⑨ Solve: $-2x - 5 = 19$

⑩ Solve: $5x + 3 = -2x - 18$

⑪ Solve: $-2(3x - 4) = -3x + 2 + 2x - 9$

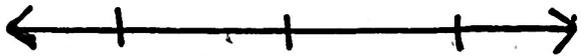
⑫ Evaluate: $3x^2 + 4x - 1$, when $x = -2$.

⑬ Solve: $\frac{x}{-3} = 4$

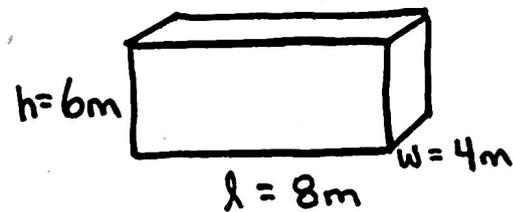
⑭ Solve and graph: $4x - 3 < 17$



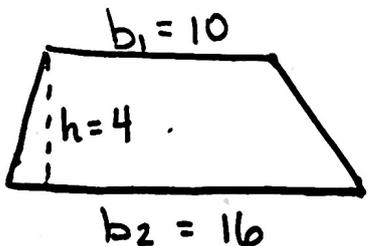
⑮ Solve and graph: $-2x + 5 \geq x - 10$



⑯ The Volume of a rectangular prism is $V = lwh$
Find Volume



⑰ In a trapezoid the area formula is: $A = \frac{(b_1 + b_2) \cdot h}{2}$
Find Area



⑱ Solve for x: $\frac{x}{4} = \frac{8}{2}$

⑲ Solve for x: $-\frac{2}{3} = \frac{12}{x}$

⑳ In the equation $A = BC - D$, solve for "C".

㉑ Solve for x: $\frac{x}{\left(\frac{1}{5}\right)} = \frac{\left(\frac{2}{3}\right)}{\left(\frac{3}{4}\right)}$

㉒ Convert 84 inches into feet. 12 inches = 1 foot

(23) Write 0.048 as a percent.

(24) Write $\frac{5}{8}$ as a percent.

(25) Write 8.3% as a decimal.

(26) If it takes 4 eggs to make a certain recipe for 3 people, then how many eggs would be needed to make the same dish for 26 people? (Round answer to the nearest whole number)

(27) Write 48% as a simplified fraction.