

ALGEBRA 1A ~ 11-8-04 PRACTICE EXAM ~ NAME: _____

Ch 1-2, Ch 3-1 → 3-3.

Per. _____ DATE: _____

① $-8 + 12 =$ _____ ② $-7 - 7 =$ _____ ③ $-8(9) =$ _____

④ $\frac{-21}{-3} =$ _____ ⑤ $-6 - (-4) =$ _____ ⑥ $-1 - 3 - 4 =$ _____

⑦ $\frac{2}{7} + \frac{1}{14} =$ _____ ⑧ $\frac{5}{8} - \frac{3}{4} =$ _____

⑨ $\frac{21}{0} =$ _____ ⑩ $\frac{11}{-11} =$ _____ ⑪ $\frac{0}{18} =$ _____

⑫ NAME EACH SET OF NUMBERS

Ⓐ $\{\dots -3, -2, -1, 0, 1, 2, 3, \dots\}$ _____

Ⓑ $\left\{ \frac{a}{b} \right\}$ WHERE a, b ARE MEMBERS OF THE SET IN ⑫Ⓐ AND $b \neq 0$ _____

SOLVE AND CHECK:

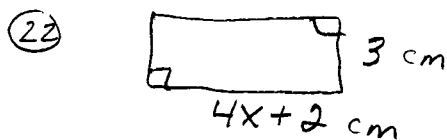
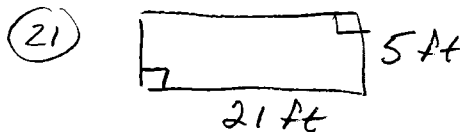
⑬ $x - 12 = 16$ $x =$ _____ ⑭ $21 = y + 6$ $y =$ _____

⑮ $x - (-4) = 11$ $x =$ _____ ⑯ $c - \frac{3}{5} = -\frac{3}{10}$ $c =$ _____

⑰ $8x = -42$ $x =$ _____ ⑱ $\frac{x}{12} = 8$ $x =$ _____

⑲ $\frac{3}{5}x = 9$ $x =$ _____ ⑳ $\frac{x}{5} = 16$ $x =$ _____

FIND THE PERIMETER AND AREA:



$P =$ _____ $A =$ _____ $P =$ _____ $A =$ _____

EVALUATE $x = -2$ $y = 3$

㉒ $|xy| =$ _____ ㉔ $5|x| =$ _____ ㉕ $|x| + y =$ _____

㉖ $-y^2 =$ _____ ㉗ $-x^2 =$ _____ ㉘ $(-y)^2 =$ _____

11-8-04 Practice Exam Answer Key

① +4

② -14

③ -72

④ +7

⑤ -2

⑥ -8

⑦ $\frac{4}{14} + \frac{1}{14} = \frac{5}{14}$

⑧ $\frac{5}{8} - \frac{6}{8} = -\frac{1}{8}$

⑨ UNDEFINED

⑩ -1

⑪ 0

⑫ ② integers

⑬ ⑥ RATIONAL NUMBERS

⑬ $X - 12 = 16$

$X = 28$

⑭ $21 = Y + 6$

$15 = Y$

⑮ $X + 4 = 11$

$X = 7$

⑯ $C = \frac{3}{5} - \frac{3}{10} = \frac{6}{10} - \frac{3}{10}$

$= \frac{3}{10} = C$

⑰ $\frac{8X}{8} = \frac{42}{8}$

$X = \frac{42}{8} = \frac{21}{4} = X$

⑱ $\frac{X}{12} = 8 \therefore 12 \cdot \frac{X}{12} = 8 \cdot 12$

$X = 96$

⑲ $\frac{3}{5}X = 9$

TWO WAYS \Rightarrow

$\frac{5}{3} \cdot \frac{3}{5} X = \frac{9}{1} \cdot \frac{5}{3}$

$\frac{5}{3} \cdot \frac{3}{5} X = 9 \cdot \frac{5}{3}$

$X = 15$

$X = 9 \cdot \frac{5}{3}$

$X = 15$ or

⑳ $5 \cdot \frac{X}{5} = 16 \cdot 5$

$X = 80$

㉑ $P = 2(21) + 2(5)$

$P = 52 \text{ ft.}$ $A = 105 \text{ ft}^2$

㉒ $P = 4x + 2$

$4x + 2$
 $+ 3$
 $+ 3$

$A = 3(4x + 2)$

$A = 12x + 6 \text{ cm}^2$

$P = 8x + 10 \text{ cm}$

㉓ 6 ㉔ 10 ㉕ 5

㉖ -9 ㉗ -4 ㉘ 9