

# PRACTICE FOR TRIANGLE & PATCHWORK

NAME: \_\_\_\_\_

## UNIT EXAM - WORKSHEET

Per.: \_\_\_\_\_ DATE: \_\_\_\_\_

\*NO CALC. FOR 1-5\*

NO CALCULATOR

ORDER OF OPERATIONS  $\Rightarrow$  PE(MD)(AS)

①  $5 + 6 \cdot 3 \div 3$

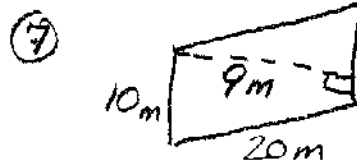
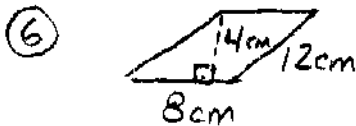
②  $-5 - 5 - 5(2 + 2 \cdot 2)$

③  $(4 \cdot 2 + 2 \cdot 8) \div 7 \cdot 15$

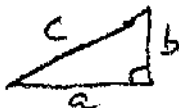
④  $\frac{1}{2} \cdot \frac{10}{30} \cdot \frac{9}{22} - \frac{2}{44}$

⑤  $8 + 2 - 6^2 + 2^2(3 - 2 \cdot 4 \div 4) - 3$

## AREA OF PARALLELOGRAMS & TRIANGLES - FIND EACH AREA



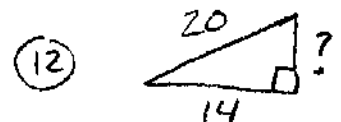
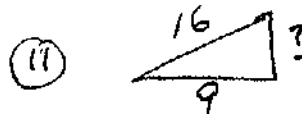
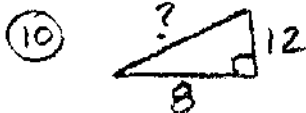
## PYTHAGOREAN THEOREM



"The square of the hypotenuse = the sum of the squares of the other two sides"

$$c^2 = a^2 + b^2$$

Find the missing side



Similar Triangles and Proportions,  $\frac{a}{b} = \frac{c}{d}$ , cross products  $ad = cb$

Find x

⑬  $\frac{4}{11} = \frac{x}{20}$

⑭  $\frac{8}{15} = \frac{7}{x}$

⑮  $\frac{4 \cdot 1}{19 \cdot 8} = \frac{x}{71}$

Find the missing sides for the similar triangles

