NAME _____ Due Date: _____

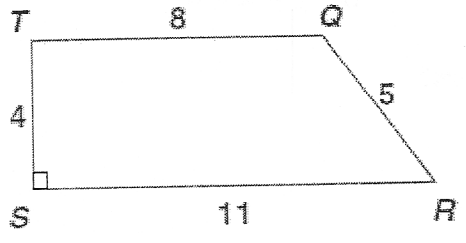
You must turn this in for a grade!

REWIND AND REMEMBER #7

(Acc)

1)

What is the area of trapezoid $QRST$ in square units? $\left(A=\frac{1}{2}h(b_1+b_2)\right)$



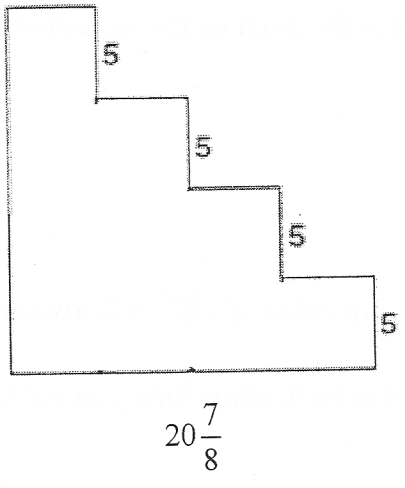
A 22

B 27

C 38

D 48

2)

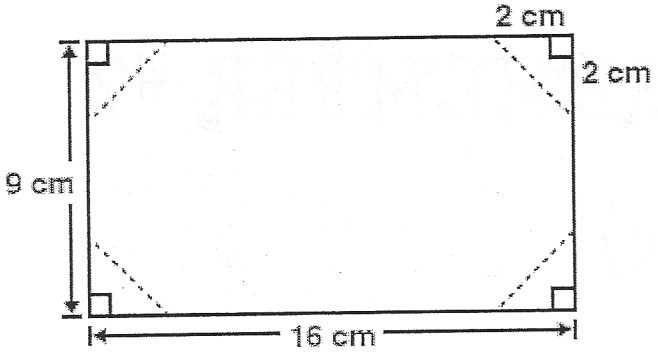


$20\frac{7}{8}$

Find the total area of of the staircase above. All measurements are in mm. ((no calculators and show the work using fractions)

3)

Cherie cut four congruent triangles off the corners of a rectangle to make an octagon, as shown below.



What is the area of the shaded octagon?

4)

Which equation best represents the relationship between x and y in the table below?

Input-Output Table

x	y
1	7
3	11
5	15
20	45

A $y = 7x$

B $y = 3x + 4$

C $y = 2x + 5$

D $y = x + 6$

5) The value of $\sqrt{85}$ is between which two integers?

(be sure to show how you got this answer)

6)

Which of the following is equivalent to the expression below?

$$x + 7 - 3x + 2x^2 + 13$$

A $6x^2 + 13$

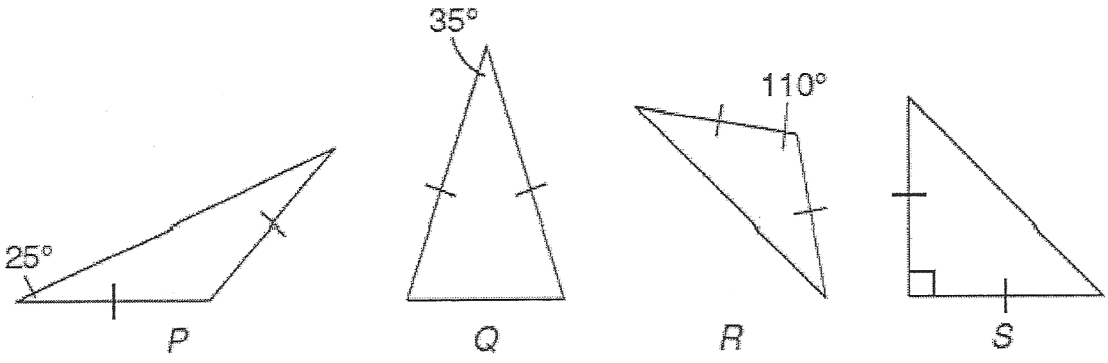
B $4x^2 + 20$

C $2x^2 - 4x + 13$

D $2x^2 - 2x - 20$

7) $\frac{3}{8} + (\frac{1}{2} - \frac{2}{5}) \div (\frac{2}{3})^2$

8) Which of the following are obtuse isosceles triangles?



A P and R only

B Q and R only

C P, Q, and R only

D P, R, and S only

9) $25-(-45)\div(2-5)^2+1^3$

10) $(-4)\left|-4\right|(-4^0)(-4^4)$