

UNIT 5, QUIZ #1

1. $3 \times 5 = 15$

$$\begin{array}{r} 15 \\ \times 20 \\ \hline 00 \end{array}$$

$$30$$

$$300 \text{ in}^2$$

2. $\frac{12 \times 9}{2} = \frac{108}{2}$

$$54 \text{ ft}^2$$



3. Yes, because there are some other shapes with 4 sides & that have both sets of sides the same length.

Ex. parallelogram, square, rhombus

4. 20×300

$$\begin{array}{r} 20 \\ \times 15 \\ \hline 100 \end{array}$$

$$20$$

$$300$$

$$\begin{array}{r} 300 \\ \times 6 \\ \hline 1800 \end{array}$$

$$1800$$

$\sqrt{3}$
 $\sqrt{105}$

5. $\frac{(5+10)7}{2} = \frac{105}{2}$

$$52.5 \text{ units}^2$$

BONUS!!

$$AB = 5$$

$$CD = 10$$

$$AC = 7$$

$$BD = 7$$

$$5 + 10 + 7 + 7 = 29 \text{ units}$$

6. a) $15 + 5 = 20 > 12$

$$15 + 12 = 27 > 5$$

$$5 + 12 = 17 > 15$$

YES = scalene

b) $13 + 15 = 28 > 13$

$$13 + 13 = 26 > 15$$

$$13 + 15 = 28 > 13$$

YES = isosceles

c) $18 + 5 = 23 > 13$

$$18 + 13 = 31 > 5$$

$$5 + 13 = 18 < 18$$

NO

7. a) $60 + 30 = 90$

$$180 - 90 = 90^\circ$$

right scalene

b) $86 + 103 = 189$

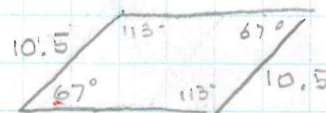
DOESN'T WORK

c) $116 + 32 = 148$

$$180 - 148 = 32^\circ$$

obtuse isosceles

8. 10.5



$$67 + 67 = 134$$

$$360 - 134 = 226$$

$$226 \div 2 = 113$$

$$9 \text{ a) } \frac{10 \times 5.6}{2} = \frac{56}{2}$$

$$\boxed{28 \text{ km}^2}$$

$$b) \frac{(2.3 + 7.9) 4.6}{2} =$$

$$\begin{array}{r} 7.9 \\ + 2.3 \\ \hline 10.2 \\ \times 4.6 \\ \hline 612 \\ 4080 \\ \hline 46.92 \end{array}$$

$$\frac{46.92}{2} = \boxed{23.46 \text{ m}^2}$$