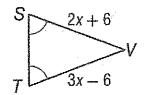
# ESK #2 Test 1 Part 2: Triangles BOX IN YOUR ANSWER AND JUSTIFICATION

## Level 1.5 — Emerging Knowledge

1. Find the value of the variable. Justify your work.

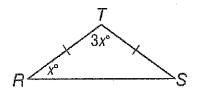
X=12 Isosceles triangle



#### Level 2,0 — Knowledge

2. a) Find the value of the variable. Justify your answer.

x= 36
isosceles triangle



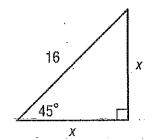
b) Find the measure of each angle.

$$2P = 36^{\circ}$$
 $25 = 36^{\circ}$ 
 $45 = 108^{\circ}$ 

## Level 3.o – Comprehension

3. Find the value of the variable. Justify your answer.

45° 45° -90° triangle

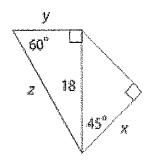


# Level 3.5 – Application

4. Find the value of each variable. Justify your answer.

30°-60°-90° triangle 45°-45°-90° triangle

X=915 Y=615 Y=613

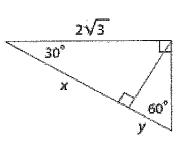


# Level 4.0 – Synthesis

5. Find the value of each variable. Justify your answer.

30°-40°-90°

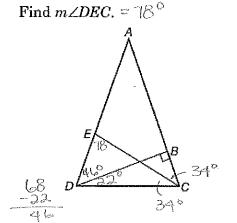
. ..

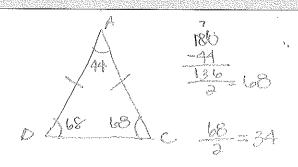


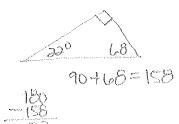
# ESK #2 Test 1 Part 2: Triangles BOX IN YOUR ANSWER AND JUSTIFICATION

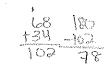
### Level 5 – HONORS

Given: AC = AD, and  $\overline{AB} \perp \overline{BD}$ ,  $\underline{m} \angle DAC = 44$  and  $\overline{CE}$  bisects  $\angle ACD$ .









Name

Date

Period

# ESK #2 Test 1 Part 2: Triangles BOX IN YOUR ANSWER AND JUSTIFICATION

### Level 5 – HONORS

Given: AC = AD, and  $\overline{AB} \perp \overline{BD}$ ,  $\underline{m} \angle DAC = 44$  and  $\overline{CE}$  bisects  $\angle ACD$ .

