

21/4/20

1)

a) 180° is the sum of the 3 triangles because the angles of a triangle always add up to 180° .

b) $a = 40^\circ$ $b = 80^\circ$ $c = 60^\circ$

c) 180°

d) angles in a triangle always add up to 180°

2)

a) $x = 41^\circ$ because $92 + 47 = 139$ subtracted by $180^\circ = 41^\circ$

b) $y = 97^\circ$ because $58 + 25 = 83$ subtracted by $180^\circ = 97^\circ$

c) $z = 55^\circ$ because $35^\circ + 90^\circ = 125^\circ$ subtracted by $180^\circ = 55^\circ$

$w = 121^\circ$ because $31 + 28 = 59$ subtracted by $180^\circ = 121^\circ$

3)

a) $q = 71^\circ$ $s = 36^\circ$ $r = 35^\circ$ $t = 60^\circ$

4)

a) 81°

b) 156°

c) 104°

5

0 acute	1 acute	2 acute	3 acute
		A e c	b d

None have 0 or 1 acute angle because if they did the angles would add up to more/less than 180°

6) No because he forgot to add the 90°