Tarefa basica - Triângulos

1. $y = 180 - (60+50)$ ⟹ | $80 - 110 - y = 70$
$x = 360 - (y + z) / 2$ ⟹ $360 - (70+70) / 2$
$X = 360 - 140 = \dfrac{220}{2} = 110°$
$x = 110°$ (c)

2. $3x + 4x + 5x = 180$
$12X = 180$ (E)
$X = 180/12 = 15$

3. $B + C = 180° - 40° = 140°$ $I + 70° = 180°$ (D)
                                        $I = 180 - 70$
$\dfrac{(B+C)}{2} = \dfrac{140°}{2} = 70°$ $I = 110°$

4. ABD: $2+3 > x > 3-2$ $5 > X > 1$ $3 < X < 5$,   (E)
   BCD: $2+5 > X > 5-2$ $7 > X > 3$ $X = 4$

5. $30 < x+y$ $18 < X + z$ $16 < y + z$

   $64 < 2X + 2y + 2z = 30 < x+y+z = 33$,   (E)

6. BCD: $90°$ ADC: $130°$ BDC: $180 - 130 = 50°$ DBC: $140 - 180 = 40°$
   $CAD = \dfrac{ADC = 180 - 130}{2} = \dfrac{50}{2}$ B = 40
                                              A = 25
                                              C = 115

7 $y = 20°$ $X = 105°$ $XKZ = 180 - 105 = 75°$

♥ $yzK: 180 - 125 = 55°$ $Z = 55° + 75° = 130°$ //

                                   $X = 180 - 150 = 30°$ //

8. $a + 2b = 180°$ (a)

$20° 10' = 2b$: $a = 180 - 20° 10'$
$b = 10° 5'$ //
$a = 180 - 2b$ $180° = 179° 60'$ $a = 179° 50'$

9. $EDB: 180° - 10° - 90° = 80°$
   $CDB: 180° - 80° = 100°$

$DBC: 45°$

$DCB: 180° - 100° - 45° = 35°$ //
$CAB: 180 - 90 - 35 = 55°$ //