

24/11/2020

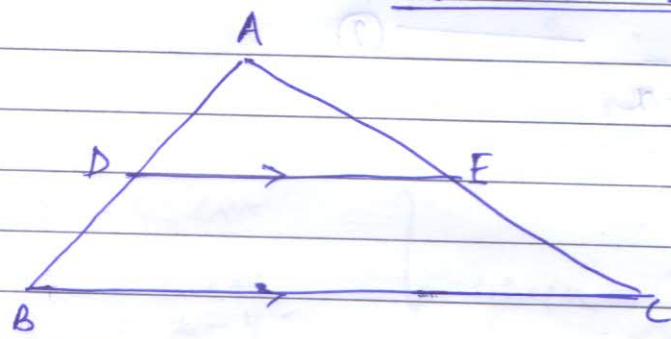
Ch - 7
Triangles
Exercise 7.2

Q.1 Same as NCERT

Q.2 Same as NCERT

Exercise 7.2

Q.1



In $\triangle ABC$,
 $DE \parallel BC$ (given)
 $\therefore \frac{AD}{DB} = \frac{AE}{EC}$ (By BPT)

(i) $AD = 6 \text{ cm}$
 $DB = 9 \text{ cm}$
 $AE = 8 \text{ cm}$ } given

$$\frac{AD}{DB} = \frac{AE}{EC}$$

$$\Rightarrow \frac{6}{9} = \frac{8}{EC}$$

$$EC = \frac{8 \times 9}{6}$$

$$EC = 12 \text{ cm}$$

$$AC = AE + EC$$

$$= 8 + 12$$

$$= 20 \text{ cm}$$