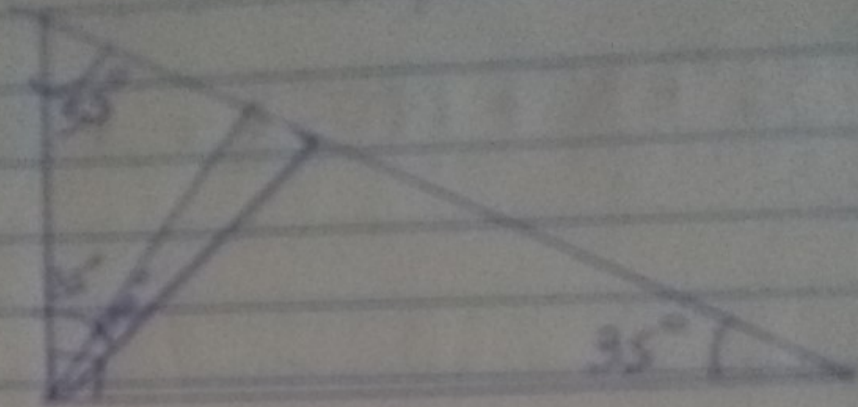
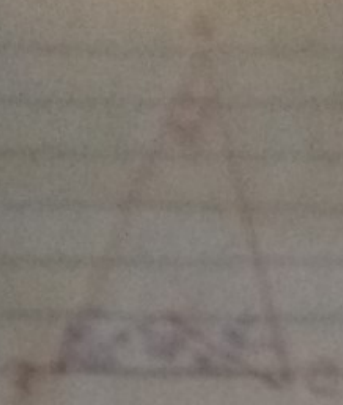


Q9





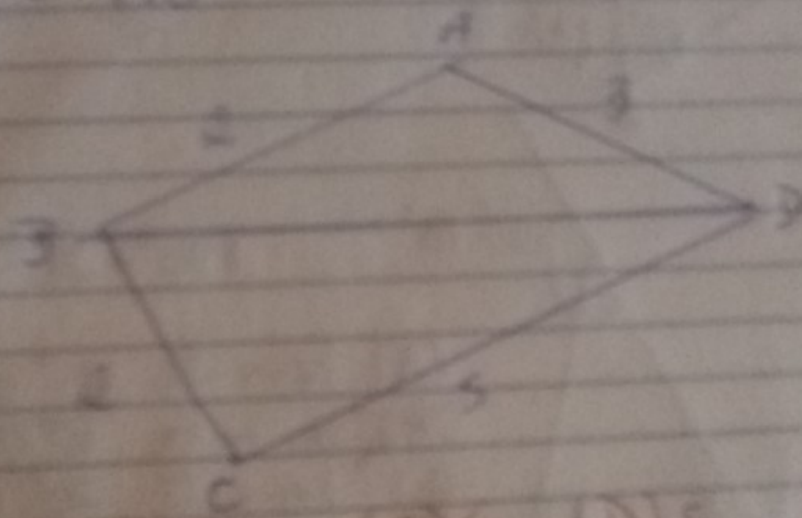
(a) 100° (b) 30° (c) 110°

(d) 100° (e) 150°

$$35^\circ + 35^\circ + x = 180^\circ$$

$$x = 180^\circ - 70^\circ$$

$$x = 110^\circ$$



$$BD = x$$

$$1 < x < 5$$

$$3 < x < 5$$

$$3 < x < 5$$

$$x = 4$$

(a) 2 (b) 3 (c) 6 (d) 5 (e) 4

05)

$$30 < x + y$$

$$18 < x + z$$

$$16 < y + z$$

$$30 + 18 + 16 < 2x + 2z + 2y$$

$$64 < 2x + 2z + 2y$$

$$32 < x + z + y$$

(a) 25 (b) 27 (c) 34 (d) 31 (e) 33



$$d) 110^\circ$$

$$(c) 130^\circ$$

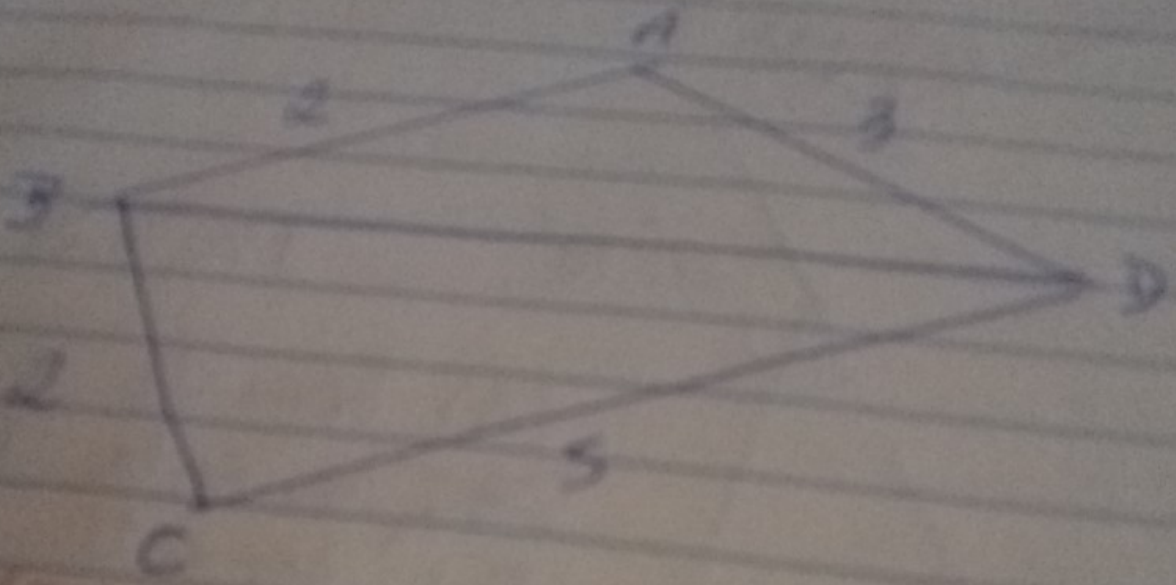
$$a) 100^\circ$$

$$(b) 70^\circ$$

$$35^\circ + 35^\circ + x = 180^\circ$$

$$x = 180^\circ - 70^\circ$$

$$x = 110^\circ$$



(B) 7

(C) 6

(D) 5

$$30 < x + 1$$

$$18 < x + 2$$

$$16 < y + z$$

$$30 + 18 + 16 < 2x + 2z + 3$$

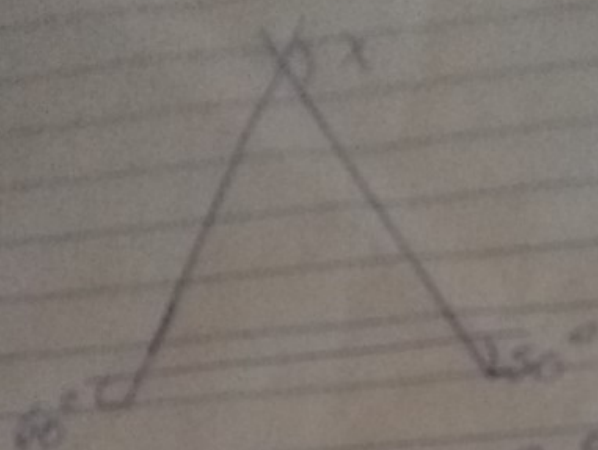
$$64 < 2x + 2z + 3$$

Find x

Round 1/1000

Exercise

- (A)  $100^\circ$
- (B)  $105^\circ$
- ~~(C)  $110^\circ$~~
- (D)  $115^\circ$
- (E)  $120^\circ$



$$50 + 60 + 180^\circ - x = 180^\circ$$

$$3x + 4x + 5x = 180^\circ$$

$$12x = 180^\circ$$

$$x = \frac{180}{12}$$

$$x = 15$$

$$3 \cdot 15 = 45^\circ$$

$$4 \cdot 15 = 60^\circ$$

$$5 \cdot 15 = 75^\circ$$

- (A)  $125^\circ$     ~~(B)  $95^\circ$~~     (C)  $35^\circ$     (D)  $65^\circ$



Q9

