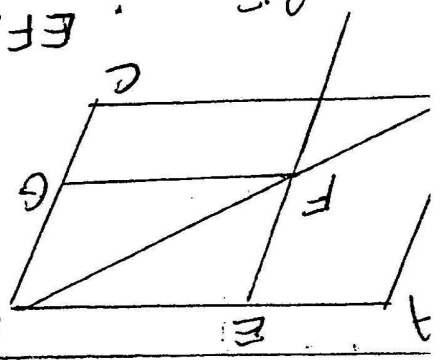


$\widehat{C} = 55^\circ$ $\widehat{A} = 55^\circ$ $\widehat{B} = 70^\circ$
 $\widehat{C} = 55^\circ$ $\widehat{A} = 55^\circ$ $\widehat{B} = 70^\circ$
 $\widehat{C} = 55^\circ$ $\widehat{A} = 55^\circ$ $\widehat{B} = 70^\circ$

0.5
0.5+0.5



$EF \parallel AC$
 $\frac{EF}{AC} = \frac{BE}{AB} = \frac{CF}{CD}$
 $EF = \frac{3}{5} AC$
 $EF = \frac{3}{5} \times 10 = 6$
 $EF = 6$

0.5+0.5
1
1

$AC = \sqrt{8}$ $BC = \sqrt{6}$ $AB = \sqrt{2}$
 $\cos A = \frac{AB^2 + AC^2 - BC^2}{2 \cdot AB \cdot AC}$
 $\cos A = \frac{2 + 8 - 6}{2 \cdot \sqrt{2} \cdot \sqrt{8}}$
 $\cos A = \frac{4}{2 \cdot \sqrt{2} \cdot 2\sqrt{2}} = \frac{4}{8} = \frac{1}{2}$
 $A = 60^\circ$

1
1
1.5

$a < 3$ $b < 5$ $c < 3$
 $a + b > c$ $a + c > b$ $b + c > a$
 $4 + 2\sqrt{5} > 3\sqrt{5} + 4$

0.5
1+1+0.5

$A = 5\sqrt{36} - 2\sqrt{9} + 3\sqrt{25}$
 $A = 5 \cdot 6 - 2 \cdot 3 + 3 \cdot 5 = 30 - 6 + 15 = 39$

4x1