MATHEMATICS REVISION

S.S.2

MATHEMATICS

Revision.

① Evaluate

$2\sqrt{150} - \sqrt{96} - 2\sqrt{24} =$

② $\frac{10}{\sqrt{2}} =$

③ $\frac{13}{9\sqrt{5}} =$

④ $\frac{1}{(1-\sqrt{3})^2} =$

⑤ $\frac{3}{\sqrt{3}+\sqrt{2}} =$

Ans : $1 + \frac{1}{2}\sqrt{3}$ $2\sqrt{6}$ $3(\sqrt{3}-\sqrt{2})$ $5\sqrt{2}$

$\frac{13\sqrt{5}}{45}$

⑥ $\frac{3}{4+y} = \frac{4}{1-3y}$ $y =$

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7. $\frac{x+1}{5} - \frac{3(x-1)}{10} = 2$ $x =$

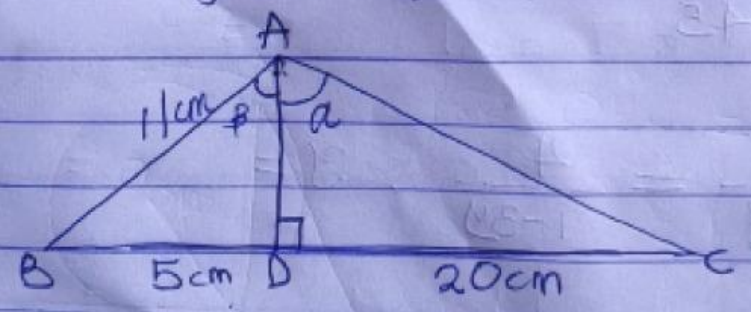
8. A mother is three times as old as her daughter. In twelve years time she will be twice as old. How old is the mother now?

She is _____ years old.

9. If $\cos x = 5/12$. Find the value of ~~Sin x~~. $\sin x$

$\sin x =$

10. In the diagram below, Calculate the values of a and β



$a =$ $\beta =$

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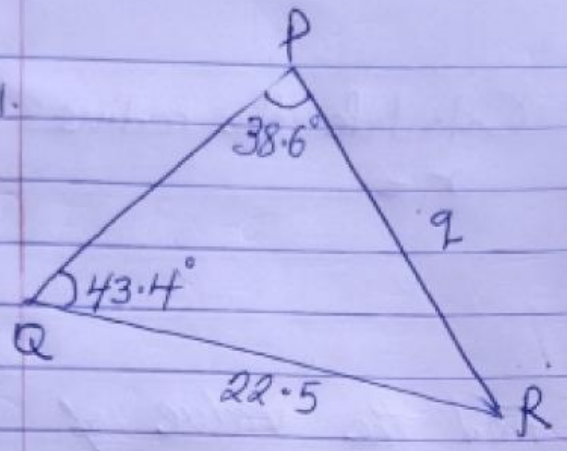
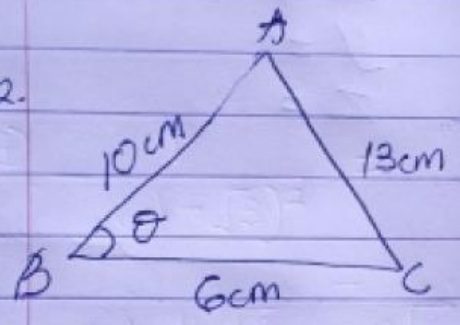
11.



$q =$

12.



Find $\theta =$

13. Solve the inequalities $3x + 13 < 1$ $x = \boxed{}$

$x \leq -2$

14. $2/x \leq 5/x + 2$ $x = \boxed{}$

$x \geq -1\frac{1}{2}$

15 $\frac{2x-2}{3} - \frac{3x-6}{4} \geq 1$ $x = \boxed{}$

$x < -4$

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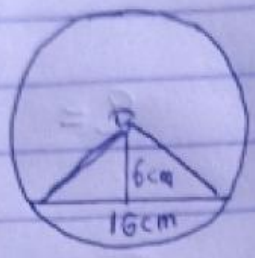
16. 

Calculate the radius

$r =$

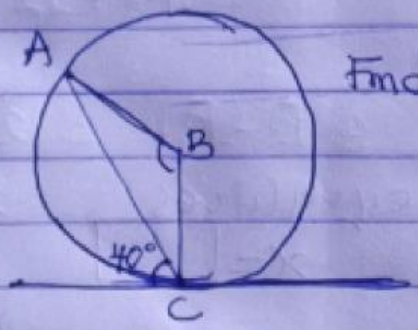
17.

Find the value of

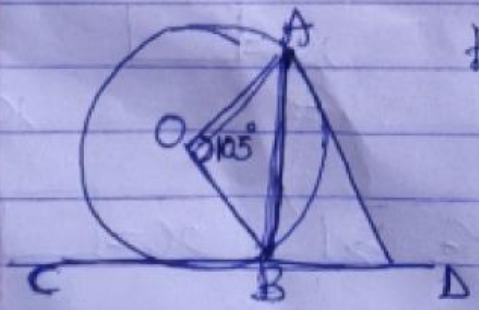
$x =$

$y =$

$z =$

18. 

Find $A\hat{B}C =$

19 

Find $O\hat{B}C =$

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