TB(2B) Ch. 11 Introduction to Trigonometry
Multiple Choice Questions

1. [16-17 Final Exam #12]

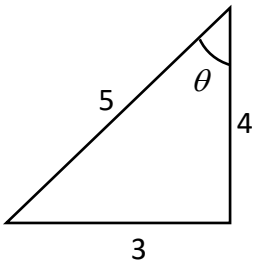
Find the value of $\cos\theta \times \tan\theta$.

A. $\frac{3}{5}$

B. $\frac{3}{4}$

C. $\frac{4}{5}$

D. 1



2. [17-18 Final Exam #9]

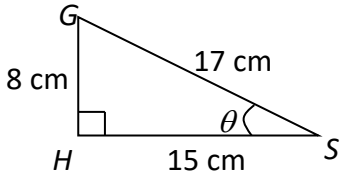
In the figure, $\angle GHS = 90^o$, $GH = 8$ cm, $HS = 15$ cm and $GS = 17$ cm. Find the value of $\tan\theta$.

A. $\frac{15}{17}$

B. $\frac{8}{17}$

C. $\frac{8}{15}$

D. $\frac{15}{8}$



3. [17-18 Final Exam #15]

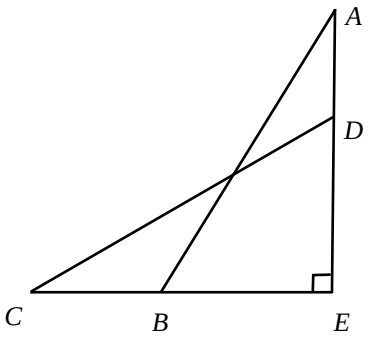
In the figure, CBE and ADE are straight lines, $AB = CD = 65$, $AD = 21$, $AE = 60$ and $\angle E = 90°$. Find BC.

A. 21

B. 23

C. 25

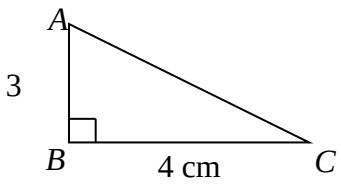
D. 27



4. [18-19 Final Exam #10]

In the figure, $\angle ABC = 90°$, AB = 3 cm and BC = 4 cm. Which of the following is the largest?

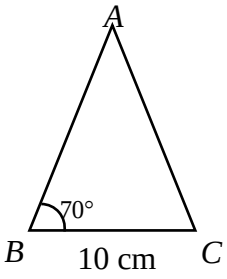
A. $\cos \angle C$
B. $\sin \angle C$
C. $\tan \angle C$
D. $\tan \angle A$



5. [18-19 Final Exam #19]

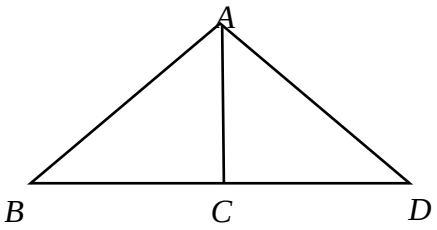
In the figure, ΔABC is an isosceles triangle where $AB = AC$. Find the area of ΔABC.

A. 34.3 cm^2
B. 68.7 cm^2
C. 137 cm^2
D. 274 cm^2



6. [18-19 Final Exam #20]

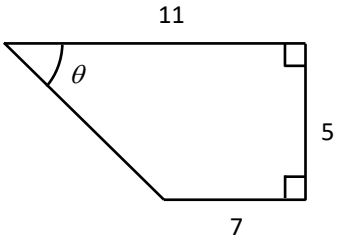
In the figure, $AC \perp BD$, BD = 10 cm, $\angle BAC = 30°$ and $\angle DAC = 40°$. Find AC.



A. 3.64 cm
B. 7.06 cm
C. 11.9 cm
D. 17.3 cm

7. [20-21 Final Exam #12]

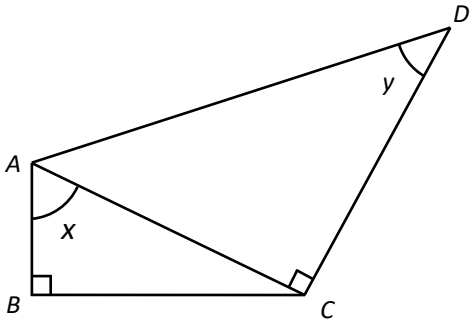
In the figure, find θ correct to the nearest degree.



A. 24°
B. 36°
C. 48°
D. 51°

8. [20-21 Final Exam #24]

In the figure, $\frac{AB}{AD} =$



A. $\cos x \sin y$.
B. $\cos x \tan y$.
C. $\sin x \sin y$.
D. $\frac{\sin x}{\sin y}$.

~ End ~