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## SAT Math Test Problem Children: Trigonometry

(Part 3)
PROBLEMS
1.


Given the right triangle $A B C$ above, which of the following is equal to $\frac{a}{b}$ ?
A) $\sin A$
B) $\sin B$
C) $\tan A$
D) $\tan B$
2.


In the triangle above, the sine of $x^{\circ}$ is 0.8 . What is the cosine of $y^{\circ}$ ?
3.


In the triangle above, the cosine of $x^{\circ}$ is 0.6 . What is the sine of $y^{\circ}$ ?
4.


In the triangle above, the sine of $x^{\circ}$ is 0.4 . What is the cosine of $90^{\circ}-x^{\circ}$ ?
5. In a right triangle, one angle measures $x^{\circ}$, where $\sin x^{\circ}=\frac{1}{2}$. What is $\cos \left(90^{\circ}-x^{\circ}\right)$ ?
6. In a right triangle, one angle measures $x^{\circ}$, where $\sin x^{\circ}=\frac{4}{5}$. What is $\cos \left(90^{\circ}-x^{\circ}\right)$ ?
"Only he who never plays, never loses."
Written and published every Saturday by Richard Shedenhelm

