1. Find $arcsin\ 1$

A. 90° B. 30° C. 60° D. 45° E. 0°

2. The value of $\cos^{-1}\left(-\frac{\sqrt{3}}{2}\right)$ is

A. $\frac{5\pi}{6}$ B. $-\frac{5\pi}{6}$ C. $\frac{\pi}{6}$ D. $-\frac{\pi}{6}$

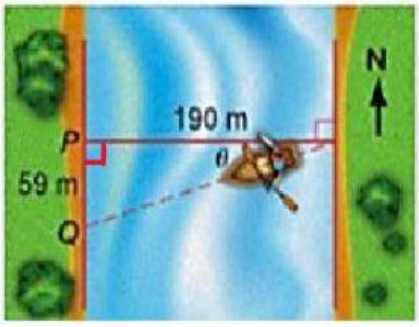
3. $tan(cos^{-1}(-1)) =$

A. Undefined B. 0 C. ½ D. 1

4. $\tan\left(\sin^{-1}\frac{3}{5}\right) = ?$

A. 2/3 B. 3/4 C. 1/2 D. 3/5

5. **SENSE-MAKING** A boat is traveling west to cross a river that is 190 m wide. Because of the current, the boat lands at point Q, which is 59 m from its original destination point P. Write an inverse trigonometric function that can be used to find θ, the angle at which the boat veered south of the horizontal line. Then find the measure of the angle to the nearest tenth.



A. $Arctan\ \frac{59}{190} = \theta;\ 17.3^0$ B. $Arcsin\ \frac{59}{190} = \theta;\ 40.9^0$

C. $Arccods\ \frac{59}{190} = \theta;\ 71.9^0$ D. $Arctan\ \frac{190}{59} = \theta;\ 72.7^0$

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