Problem Solving Competition – Problem #5

- Your submission should contain a FULL solution. Not just the answer, but your entire argument.
- Submit solutions to Dr. Taylor in MCT 281.
- Questions?? Ask Dr. Taylor in MCT 281 or by email at pttaylor@ship.edu.
- Problems and occasional updates on solutions and winners will be posted at webspace.ship.edu/pttaylor/PSC/index.html

The triangle with side lengths 6, 8 and 10 is right-angled, while the triangle with side lengths 6, 8 and 9 is an acute triangle and the triangle with side lengths 6, 8 and 11 is an obtuse triangle.

An obtuse triangle with positive area has side lengths 10, 17 and $x$. If $x$ is an integer, find all possible values of $x$.

Solutions for this problem are due **Wed, November 16** at 4pm.
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