



The Sixth Annual  
**Utah Math Olympiad**

**Saturday, March 24, 2018**  
**1:00 - 4:00 pm**

Participation is free!  
Prize money is available for the top scorers.

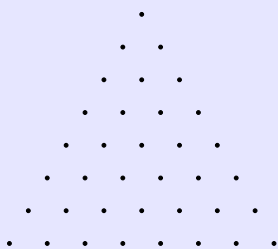
For more information and to register, visit [www.utahmath.org](http://www.utahmath.org).

Registration ends March 17.

Contact us at [contact@utahmath.org](mailto:contact@utahmath.org).

### Sample Problem

Consider 28 dots arranged in a triangular grid as shown, so that any two consecutive dots in a row together with the dot lying immediately above them forms an equilateral triangle.



How many distinct lines pass through exactly two dots of this triangle?

University of Utah  
LeRoy Cowles Building  
Room 219

Brigham Young University  
Talmage Building  
Room TBA