COMPILATION OF FEMALE MATHEMATICAL CHARACTERS

Irma Arcuri (*The 351 Books of Irma Arcuri*, novel by David Bajo) - When bookbinder, Irma, goes missing, her love affair, Philip Masryk gains all of her books. In order to understand what happened to her, he starts reading her books for clues. He ends up discovering many things he never knew and trying to chase her down.

Eleanor "Ellie" Arroway from the novel *Contact* by Carl Sagan, also a movie in 1997.
- This novel tells the story of a woman that had also been inclined to mathematics from a young age. The science fiction novel revolves around a message that she receives from extraterrestrial beings. In order to understand the message, she must decode the mystery behind pi.
- Jodie Foster played Ellie in the movie.
- She is the director of "Project Argus," in which scores of radio telescopes in New Mexico have been dedicated to the search for extraterrestrial intelligence (SETI) in Carl Sagan's novel *Contact*.
- Finds strong evidence of extraterrestrial life and is chosen to make first contact with them.

Emily Bronson (in *The Oxford Murders*, novel by Guillermo Martinez, also a movie in 2008)
- Two mathematicians struggle to find a serial killer who uses mathematical symbols. They must find the pattern in the symbols to hopefully head off the killer. Emily Bronson is the narrator's advisor, a minor character and does not appear in the movie.
- Was the unnamed protagonist's academic advisor in The Oxford Murders. She was on the faculty in the mathematics department and specialized in algebraic topology.
- Main character's advisor.
- The narrator's supervisor. Has a PhD in an unknown mathematical field and is a professor.
- She is the advisor to the main character, and a professor of mathematics at Oxford.

Alice Butler (character) – in Scarlett Thomas's novel, *Popco*.
- A twenty-nine year old quirky, fiercely intelligent loner with an affinity for secret codes and mathematics. She works for the huge toy company named PopCo, where she creates snooping kids' kits - KidSpy, KidTec and KidCracker.
- She is an employee at PopCo, a toy company. She has an interest in mathematics and cryptology. She is working to create the best product for teenage girls.

Cathy from *Proof*, a play by David Auburn (also a movie in 2005).
- She gets interested in numbers from her father. She devotes her time to taking care of her father when he was ill. Later on in the play, she falls in love but has difficulties with him in trust, and the concept of the who actually discovered the proof and in love proof is simply trust.
- This play concentrates on the main female character, Cathy, who deals with her father's deteriorating health and her own personal life. The title of the play comes from the main conflict, where she tries to convince her love interest that she actually wrote a proof thought to be her father's work.
- Her interest in math is directly connected to her father, who was a brilliant mathematician. After his death, one of his ex-students, Hal, requests to peruse his papers and a tenuous relationship ensues.
- Daughter of a recently deceased mathematical genius, who suffered a lengthy mental illness later in his life. She claims to have written an original proof that is currently attributed to her father, and no one believes her because she has little schooling in math and worries that she may be suffering from the same illness as her father.
- Gweneth Paltrow played Cathy in the movie and on-stage in London. The on-stage role was originated by Mary-Louise Parker in New York, and she won a Tony for it. Anne Heche and Jennifer Jason Leigh also played Cathy on Broadway.

- The daughter of a deceased professor. She struggles with the loss of her father and the budding love interest in an ex-grad student of her father's. She also struggles being a social pariah in mathematics.
- She is the daughter of a famous mathematician, who follows in her dads footsteps for better or for worse. She is also a brilliant mathematician.
- daughter of a mathematician who goes crazy. When he dies one of his students wants to look at his notes, he finds a proof to an important theorem that she claims is her own work.

Anna Conway in *A Higher Geometry*, a novel by Sharelle Byars Moranville. It is about a teenage girl who wants to become a mathematician. But in order to become so, she needs to overcome the sexism and Cold War politics of the 1950s in America. This book mentions Fermat's Last Theorem, quadratic equations, Boolean algebra, Euclidean geometry and number theory.

Thomasina Coverly – From Tom Stoppard's play, *Arcadia*. The daughter of the house, is a precocious teenager with ideas about mathematics well ahead of her time. The play follows the activities of two modern scholars and the house's current residents are juxtaposed with the lives of those who lived there 180 years earlier.

Mrs. Eagleton: Fictional, from *The Oxford Murders* (by Guillermo Martinez, also a movie 2008).
- Her skill in crossword led her to be recruited for the war effort, breaking German codes. Met her husband in this capacity.
- An elderly woman who hosts the narrator. She is a cryptologist.

Hypatia of Alexandria (*Agora*, movie 2009) - The movie is set in Roman Egypt. Hypatia is a female professor of mathematics, astronomy, and philosophy. She struggles with keeping her positions through the changing of times. Rachel Weisz played Hypatia.

Mona Gray from *An Invisible Sign of My Own,* Novel by Aimee Bender
- Numbers is the only thing that inspires Mona to continue after being kicked out of her house. She may seem a little crazy with some of her actions: washing her mouth out with soap and "knocking-on-wood" constantly. She applies numbers everywhere, including her mood.
- Mona Gray is a female mathematician that develops a sort of obsessive-compulsive disorder. She relates everything to numbers, even human relationships and emotions.
- Mona is a second-grade math teacher who uses math to hide her insecurities and eccentricities (e.g. washing her mouth with soup and chronically knocking on wood.
- She is a math wiz and a high school track star, whose ordinary childhood comes to pieces when her father is stricken with a mysterious illness.
- An elementary math teacher who transitions between love of numbers and bad relationships with people. She tries to learn and enhance her perception of life.

Katharina Gsell in "City of Infinite Bridges", short story by Alex Rose, appeared in the anthology *The Musical Illusionist: and Other Tales*. A story about Euler's wife. She studied graph theory, more precisely, the 7 Konigsberg. She developed a paranoid condition in which she felt she lived in a 'Matrix'-like world.

Kate Gunzinger, in the film *It's My Turn* (1980). She is a successful mathematician who falls in love at her father's wedding with his bride's son and then has to choose between her own life or moving into his. Jill Claybourne played Kate and Michael Douglas played her love interest.

Fae Ray Lambers (*The Dark Lord: The Forbidden Tarot*, novel by Patricia Simpson) - A fantasy novel in which the main character is a mathematics professor at Berkeley. She buys a deck of tarot cards and her friend dies and leaves behind a video. She ends up fighting a demon.

Victoria Line is the great-great-granddaughter of A Square. She appears in Ian Stewart's novel *Flatterland*. She develops an interest in a copy of *Flatland* that she finds in her basement and subsequently goes on a journey to multiple other dimensions, discovering things such as Möbius strips and fractals.

Lucinda Mandelbaum from "the goddess of game theory" a short story in the collection *36 Arguments for the Existence of God* by Rebecca Goldstein. The theme of the book is if two partners in a relationship should say "I Love You" to each other.

Angela Montenegro: Fictional, from the TV show *Bones*.
- Math background unknown, but she is a skilled computer programmer as well as artist.
- Computer Scientist / Artisit in the tv show "Bones". Blends art and mathematics as she reconstructs faces using complicated computer programs.

Sophie Neveu She is a French National Police cryptographer, who studied   at the Royal Holloway, University of London Information Security Group. She is the granddaughter of Louvre curator Jacques Saunière who is killed in Dan Brown's *The Da Vinci Code*.

Oliva: She is a mathematician in the film *Fermat's room* (2007) named after the famous non-fiction Spanish scientist Olivia Sabuco

Amita Ramanujan: Fictional, from the TV show *Numb3rs*. Specializes in combinatorics (at least in season 1), also a skilled computer scientist and general applied mathematician. Married her thesis advisor.

Renee: from "Division by Zero" by Ted Chiang, in his anthology *Stories from Your Life and Others*. Tries to commit suicide after she discovers a contradiction that demonstrates that mathematics itself is inconsistent.

Lisa Simpson is from the long running popular TV show the *Simpsons*.
- Although she is only eight years old she is a remarkable musician, scientist, and mathematician. In fact, she is by far the smartest girl in the entire elementary school.
- A young prodigy of a mathematician the daughter of the Simpsons.

Jill Taylor is a character in the film *21* (2008).
- She is a math wiz and card counter, as well as a student at MIT. She is involved with a group of MIT undergrads who go to Las Vegas and make millions at the blackjack tables. Played by Kate Bosworth.
- She is a Harvard math student, who along with other students attempt to use card counting techniques to put odds in their favor.

Trillian is a character from Douglas Adams' novel *The Hitchhiker's Guide to the Galaxy*, and film (2005).
- She is a mathematician and astrophysicist. Her pet mice end up attempting to purchase the protagonist's brain in order to find out "the question" of life, the answer to which they know to be 42.
- In the film she was played by Zooey Deschanel.
- From Earth, she leaves with Zaphod Beetlebrox and adopts 'Trillian' in favor of her terrestrial name.

Matilda Wormwood is a little math prodigy who is appreciated only by her caring teacher in *Matilda* by Roald Dahl, also a movie (1996). She does complex (for a grade schooler) multiplication problems in her head.

CHARACTERS FROM KOZEK'S LIST WHO WEREN'T MENTIONED

Beck in Luanne Rice's novel *The Geometry of Sisters*
Catherine Boyd in the film *IQ* (1994)
Edith Craig in Arthur C. Clarke's novel *The Ghost from Grand Banks*
Vanessa Duncan in Catherine Shaw's novel *The Three-Body Problem*
Sophie Germaine in Dora Museliak's novel *Sophie's Diary*
Hypatia in Ki Longfellow's novel *Flow Down Like Silver*
Hypatia in Mac Wellman's play *Hypatia*
Alexandra Jacobi-Semeu in Robert Carr's novel *Continuums*
Smilla Jasperson in Peter Hoeg's novel *Smilla's Sense of Snow* (also a 1997 film starring Julia Ormond).
Jayne from Mark Cohen's novel *The Fractal Murders*
Sofya Kovalevskaya in Joan Spicci's novel *Beyond the Limit*
Lisa in Ann Lingard's novel *The Embalmers Book of Recipes*
Ada Lovelace in the film *Conceiving Ada* (1997), played by Tilda Swinton.
Leela Moore in Janet Turner Hospital's novel *Orpheus Lost*
Emmy Noether in Margaret B.W. Tent's novel *Emmy Noether*
Bonnie Pinkwater in Robert Spiller's novel *Irrational Numbers*
Melanie Prescott in Julie Kenner's novel *The Givenchy Code*
Lisbet Salander from Stieg Larsson's novel *The Girl With the Dragon Tattoo*
(Several) in Rinnie Goff's play *The Five Hysterical Girls' Theorem*
Therese in the film *Antonia's Line* (1995)
Rumi Vasi in Nikita Lalwani's novel *Gifted*
Sarah Wingate in Stefanie Pintoff's novel *In the Shadow of Gotham*