DAY 2 Act. #99 (CONt.)

- HOW MUCH MONEY WOULD MARY HAVE TO START WITH IN ORDER TO END WITH \$4300 AFTER 48 MONTHS COMPOUNDED CONTINUOUSLY AT 2.3%?
- (15) SOLVE: $(\log 2 + \log x) \log 3 = \log 12$
- If there are 33 people and 14 are women, what are the odds of one being a man?
- IF THE PROBABILITY OF AN EVENT OCCURRING IS 5/11, WHAT IS THE ODDS THE EVENT WILL OCCUR?



A bathroom floor has tiles arranged in 9 circles. The innermost circle contains 9 tiles. Each successive circle contains 9 more tiles than the previous circle. How many total tiles are on the bathroom floor?

- A 81
- B 396
- C 405
- D 729



Rewrite $\frac{\pi}{6}$ radians in degree measure.

- **Α.** 30π°
- B. 30°
- C. 120°
- **D**. 60°

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Find the seventh term of the arithmetic sequence in which $a_1 = 3$ and d = 5.

- **A.** 33
- B, 38
- C. 30
- D. 31

A town has 685 households. The number of people per household is normally distributed with a mean, μ , of 3.67 and a standard deviation, σ , of 0.34. **Approximately** how many households have between 2.99 and 4.01 people?

- A 493 households
- B 520 households
- C 558 households
- D 575 households

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$$\frac{formula}{S_n = \frac{n}{2}(a, +a_n)}$$

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James is standing 10 meters away from Samantha

- A bird is located in the sky at a point between where James and Samantha are standing.
- James is looking up at the bird at an angle of elevation of 74°.
- Samantha is looking up at the bird at an angle of elevation of 47°.

Approximately how far is the bird from Samantha?

- A 7.6 meters
- B 8.5 meters
- C 11.2 meters
- D 13.1 meters

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Solve for LB (tenth place)
189 = 150+ 147- 2 (150)(147) Cos B