

Project 2: Intrinsically Straight

- a) Euclidean review
- b) important in mathematics and the real-world?
- c) spherical perspectives



Parallelism

- a) Euclidean review
- b) important in mathematics and the real-world?
- c) spherical perspectives

**Parallel lines have
so much in common**

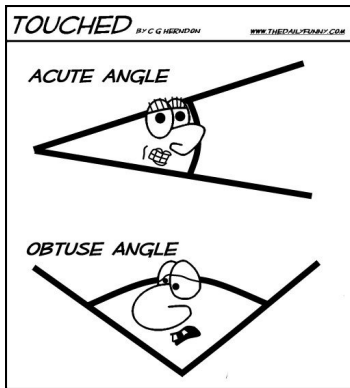


**it's a shame they'll
never meet**



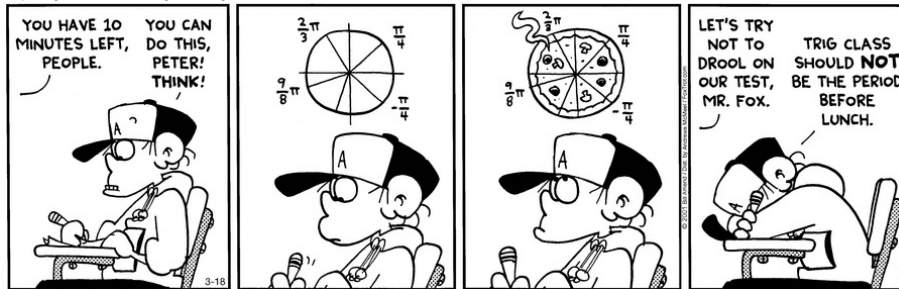
Angles

- a) Euclidean review
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Circles

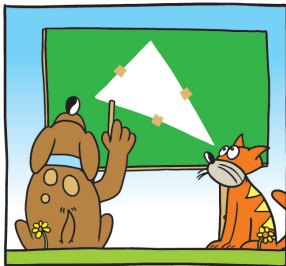
- a) Euclidean review
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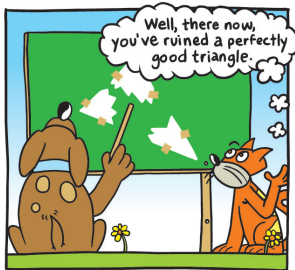
Bill Amend's FoxTrot Classics for the 18th of March, 2022. The strip originally ran the 16th of March, 2001.

Triangle Angle Sum

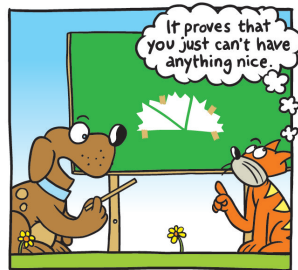
- a) Euclidean review
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"Start with any triangle."



"Tear off the angles. You can always rearrange the angles so that they form a straight line."



"What does that prove?"

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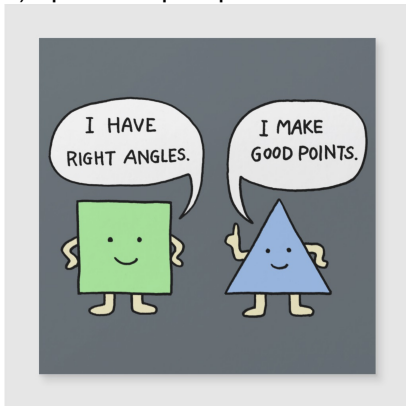
Pythagorean Theorem

- a) Euclidean review
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Squares

- a) Euclidean review
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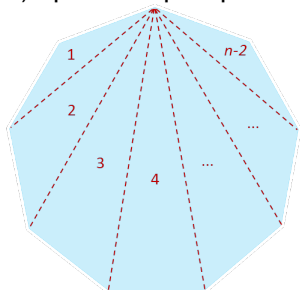
https://www.zazzle.com/pd/spp/pt-zazzle_magneticcard?tdid=

0a849eda-bb51-4e93-a9a3-6e18e8eef482



Polygons

- a) Euclidean review
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TYPES OF POLYGONS



Triangle



Quadrilateral



Pentagon



Hexagon



Heptagon



Octagon



Nonagon



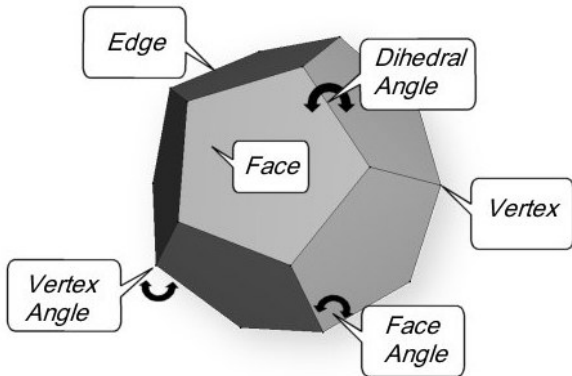
Decagon

Image 1: <http://datagenetics.com/blog/september22019/poly.png>

Image 1: <https://cdn1.byjus.com/wp-content/uploads/2021/04/types-of-polygons1.png>

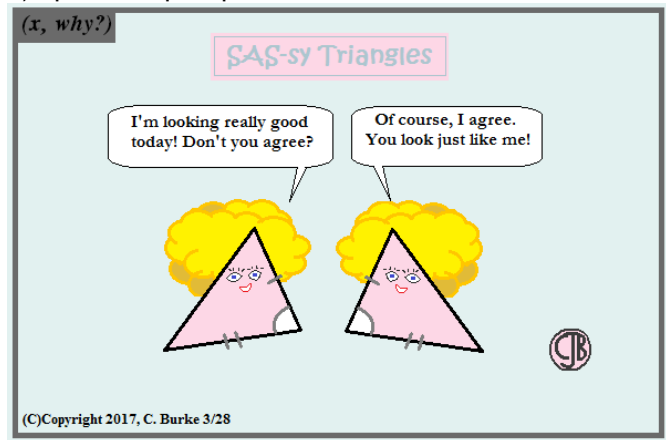
Polyhedra

- a) Euclidean review
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Congruence

- a) Euclidean review
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- c) spherical perspectives



<http://xwhy.comicgenesis.com/comics/20170328sassy01.png>



Similarity

- a) Euclidean review
- b) important in mathematics and the real-world?
- c) spherical perspectives



<https://www.pinterest.com/pin/404268504043167904/>



Surface Area

- a) Euclidean review
- b) important in mathematics and the real-world?
- c) spherical perspectives



"Dear Sir: Why do you sell dog food in tall cans and sell cat food in short cans?"










"Neither of these shapes is the optimal use of surface area when compared to volume."

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Coordinate Systems and Dimensions

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		SPACE DIMENSIONS				
		0	1	2	3	4
TIME DIMENSIONS	0	UNCHANGING DOTS →	LINES -----	PHOTOS, COMICS 	STATUES 	TESSE- RACTS 
	1	BLINKING LIGHTS MORSE CODE 	MERCURY THERMOMETERS 	TV MOVIES 	HUMANS REALITY  IM REAL	????

<https://www.wired.com/2014/11/xkcd-guide-to-dimensions/>

