

Math Tech Art Guidelines

General Guidelines

All figures should be drawn to scale and in proportion unless otherwise specified by writer. Each graph will be provided in both .EPS and .png format (with a white background).

Size

Maximum size for each type of placement within the question (to scale):

Stem question : 540 px

Explanation, correction, answer : 480px

Answer choice 2 col. format : 200px

Hint : 255 px

Student example : 500px

Font

Student font :

Standard text : Verdana 14px/14pts, black

Titles : **Verdana 14px/14pts Bold**

Variables : *Verdana 14px/14pts italic, black*

Labels : Verdana 14px/14pts, black

Answer text : **Verdana 14px/14pts**

Sorbet W01 regular 16px/16pts

Sorbet W01 Bold 16px/16pts

Sorbet W01 italic 16px/16pts

Sorbet W01 regular 16px/16pts

Math symbols : Mathematical Pi LT Std 16px or matching size (only if absent in verdana/ sorbet font)

Examples : \pm \sim \sum $\sqrt{\infty}$ \int

Degree symbol : $^{\circ}$ (Shift-option-8)

The label "el" : ℓ Mathematical Pi LT Std, so not to be confused with the numeral 1.

Color Usage

100 % black for base art and labels then:

Blue (first): 0-0-255

Red (second): 210-30-150

Green (third): 30-210-150

Orange: 255-150-0

Purple: 200-100-255

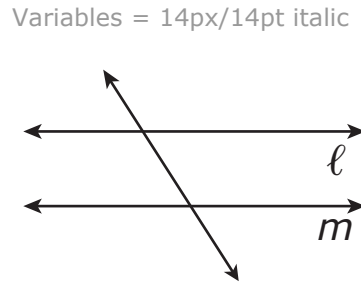
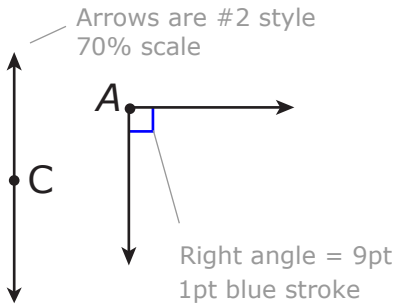
Yellow: 255-255-0

Answer Color: 37-162-218

Graph details and examples

Line weight :

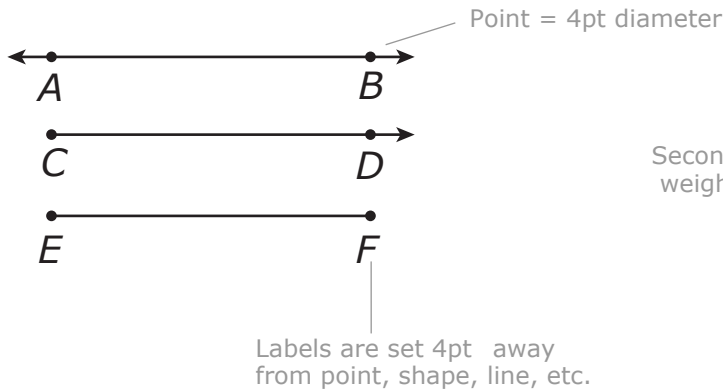
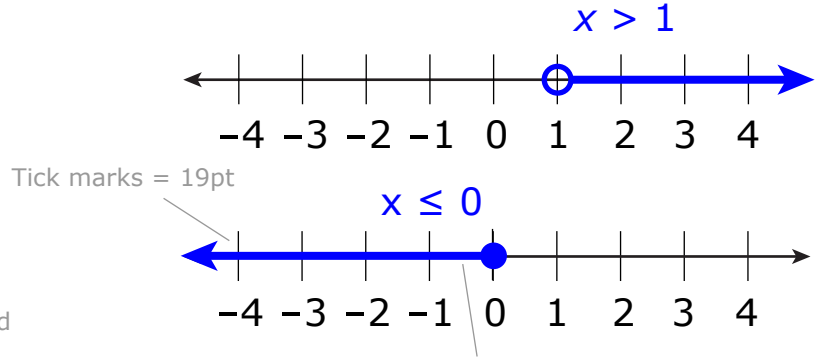
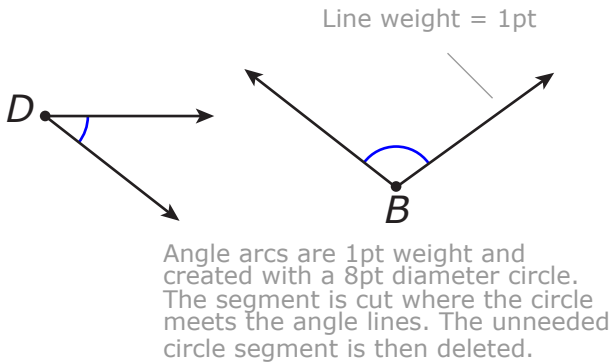
- Geometric shapes, lines on a coordinate grid, charts, tables, lines, rays, etc : **1pt**
- Secondary lines, such as coordinate grid lines, internal graph lines : **0.5pt**
- Dashed lines in black have the following settings in illustrator: 3.5pt dash with a 1.5pt gap



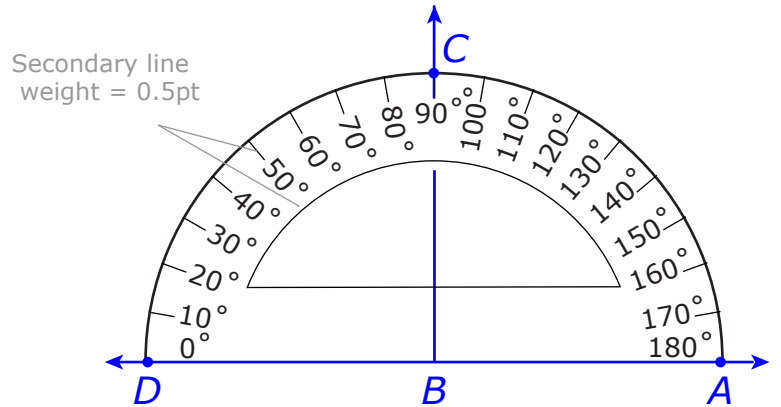
$$\begin{array}{r} 286.6 \\ + 13.47 \\ \hline 300.07 \end{array}$$

$$\begin{array}{r} 319 \\ \times 524 \\ \hline 1276 \\ 638 \\ 1595 \\ \hline 167156 \end{array}$$

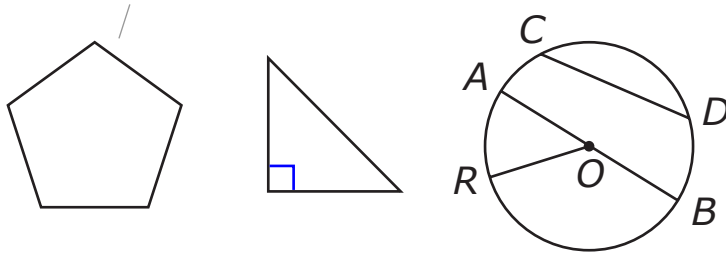
$$\begin{array}{r} 108 \\ 26 \overline{)2,808} \\ \underline{-26} \\ 208 \\ \underline{-208} \\ 0 \end{array}$$



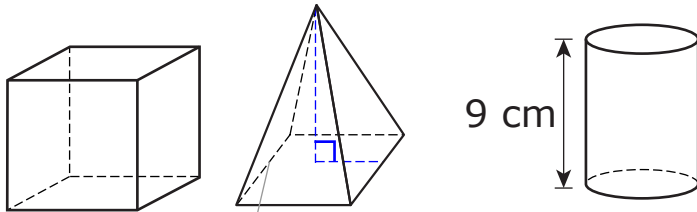
Line weight = 3pt
Circle = 9 pt diameter, line weight = 2pt



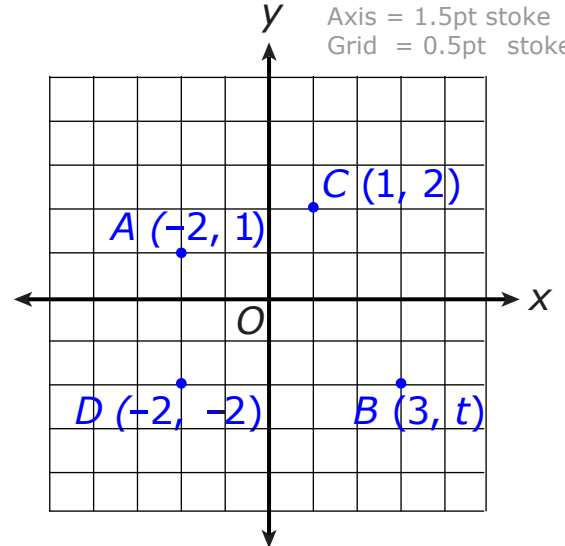
Line weight = 1pt



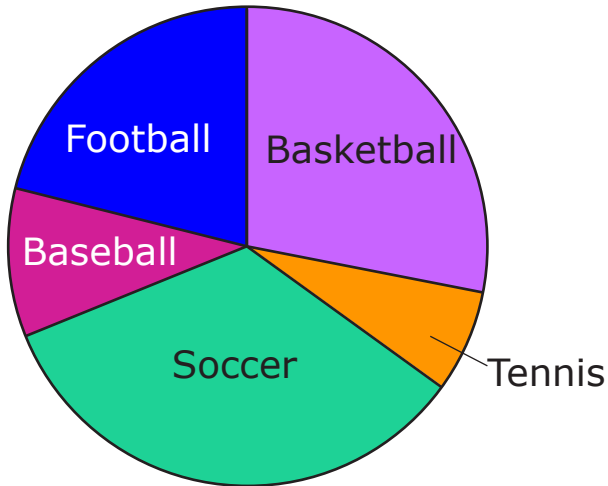
Axis = 1.5pt stroke
Grid = 0.5pt stroke



Dashed Lines =
3.5pt dash, 1.5pt dash
0.5 pts line blue

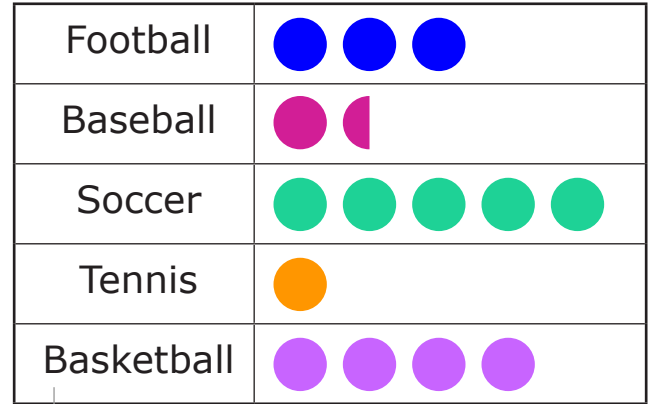


Favorite Sports



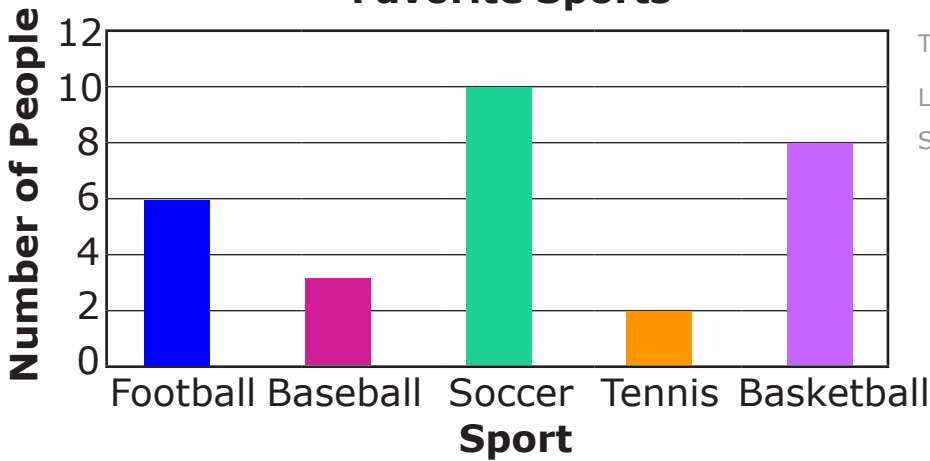
Labels = 14px/ 14pt verdana black when applicable or white on a dark background.
 Labels are placed inside each sector unless it does not fit, in which case a 0.5 pt black line is drawn from the label to the sector.

Favorite Sports



Labels = verdana 14px/14pt centered where applicable

Favorite Sports



Title = 14 px/14pt Verdana Bold Centered.

Line weight = 1pt

Secondary Line weight = 0.5pt

Sport	Number of People	Number
Football	###	6
Baseball		3
Soccer	### ###	10
Tennis		2
Basketball	###	8

Table = Text determines column width

Text is centered vertically and horizontally

Numbers are aligned right