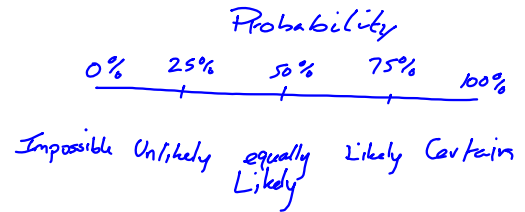


Estimate vs Exact
 Count Order
 Measure Identify



Discrete No decimals
 Continuous decimals
 capacity
 temp

Negative numbers
 Opposite Numbers
 change sign
 Absolute Value
 $|-2| = 2$
 $|2| = 2$

Multiply by negatives
 $(-3)(-7)$

Scientific Notation
 $2.78 \times 10^4 = 27800$
 $0.0023 = 2.3 \times 10^{-3}$

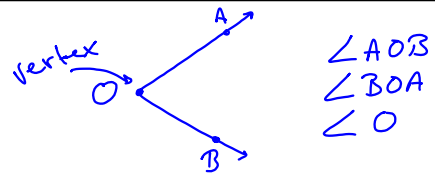
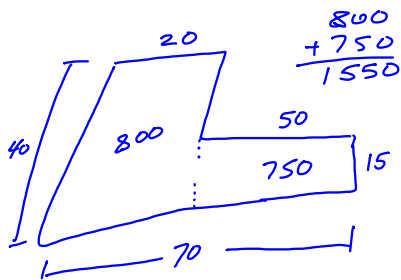
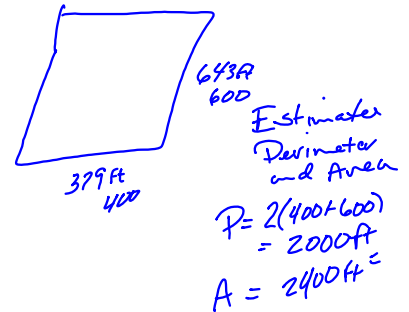
$$(2 \times 10^4)(3.2 \times 10^5)$$

$$2(3.2) \times 10^9$$

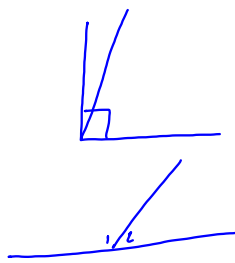
$$6.4 \times 10^9$$

$$10^0 = 1$$

Using Scale
 1 in : 200 mi
 8 in → 1600 mi



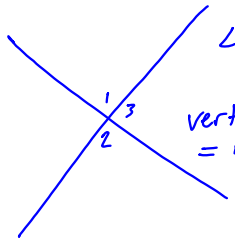
4 angle sizes
 Acute $< 90^\circ$ Right $= 90^\circ$ Obtuse $90^\circ < 180^\circ$ straight $= 180^\circ$



two angles that add up to 90°
Complimentary


two angles that add up to 180°
Supplementary

Two Lines intersect



$\angle 1, \angle 2$ vertical angles
vertical angles are = in measure

Angle Sum



Variable expressions

Combine Like Terms
same variable x, y
same exponent

$$x^2 + 3x^2 = 4x^2$$

$$2xy + 3x^2 + 5y$$

2.7 - 2.8
Solving Equations

$$3x - 5 = 2x$$

$$+5 \quad +5$$

$$3x = 2x + 5$$

$$-2x \quad -2x$$

$$x = 5$$

Square Roots

$$b = \sqrt{a} \text{ if } b^2 = a$$

$$\sqrt{144} = 12$$

$$\sqrt{0.0169} = 0.13$$

Cube Roots

$$b = \sqrt[3]{a} \text{ if } b^3 = a$$

$$\sqrt{125} = 5$$

$$\sqrt{0.008} = 0.2$$

Rational

Fraction, Terminating Decimal
Repeating Decimal

Irrational

Nonrepeating, nonterminating
decimals

$$\sqrt{2}, \pi$$