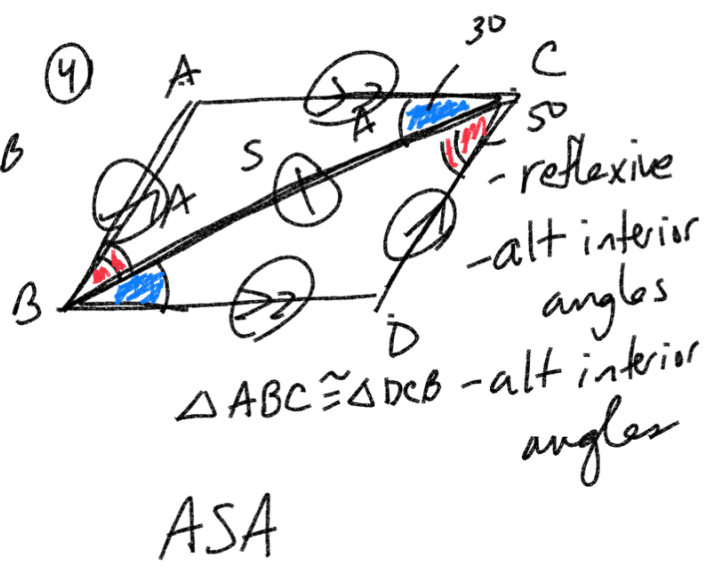
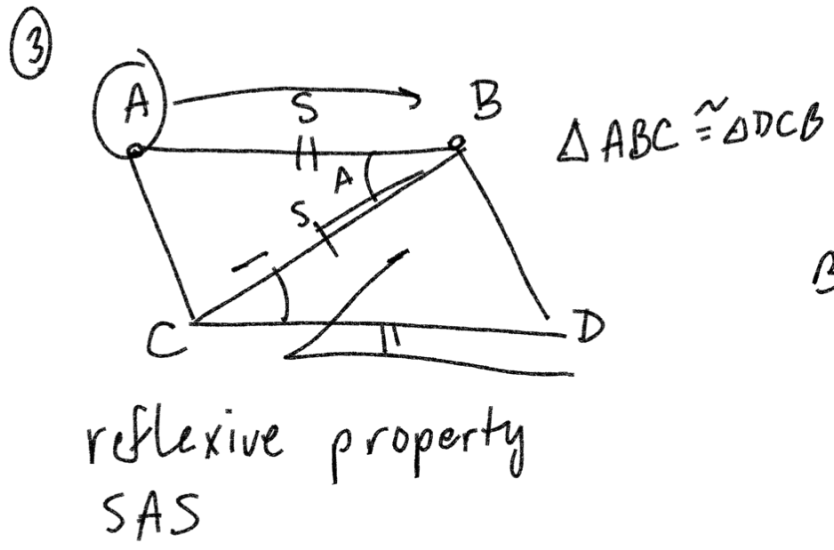
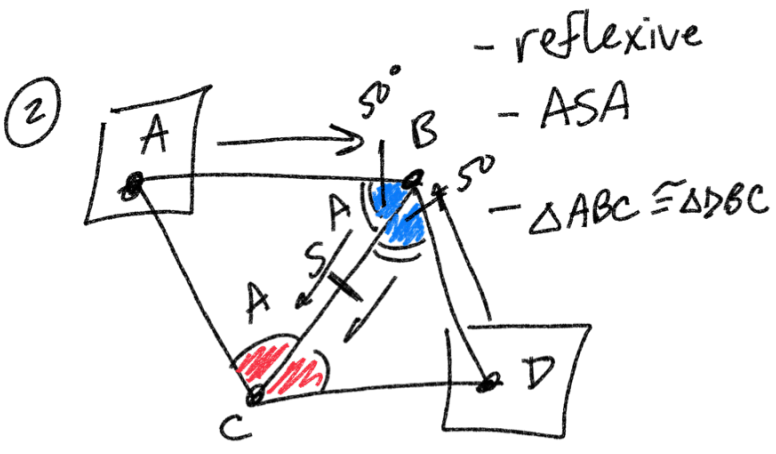
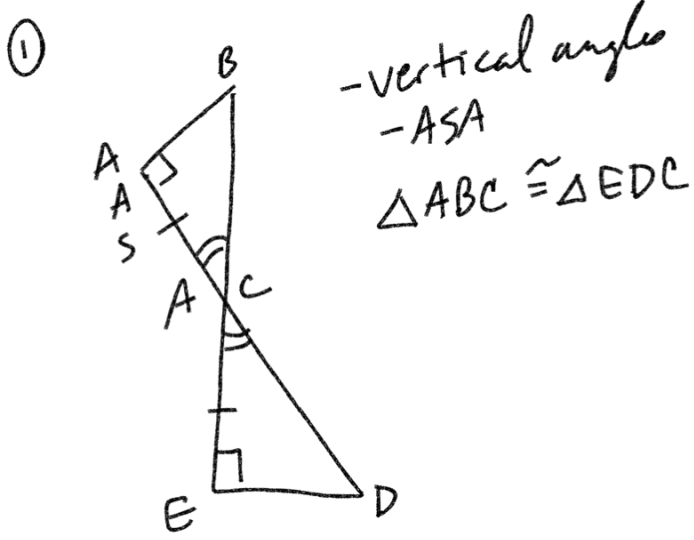
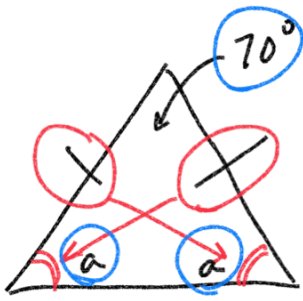


SSS / SAS / ASA / AAS



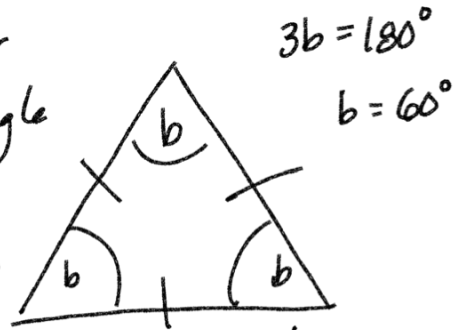
4-5 Isosceles & Equilateral Triangles



isosceles
2 equal sides

Sum of the interior angles of a triangle equal 180°

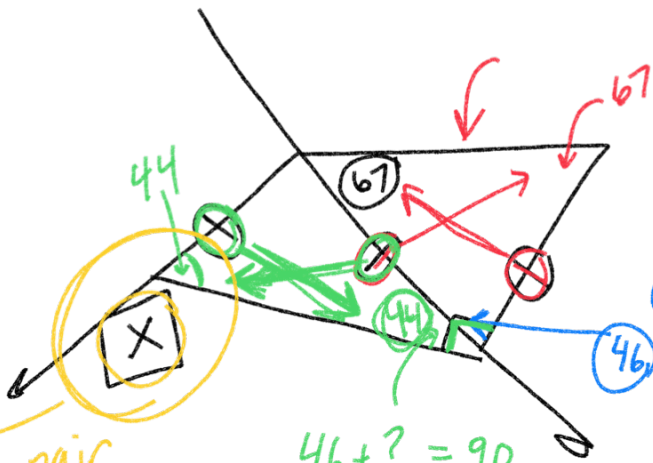
$$\begin{aligned} 70 + a + a &= 180 \\ 70 + 2a &= 180 \\ -70 &\quad -70 \\ \hline 2a &= 110 \\ \frac{2a}{2} &= \frac{110}{2} \\ a &= 55 \end{aligned}$$



equilateral
3 equal sides

In the same triangle, equal sides are opposite equal angles

1.)

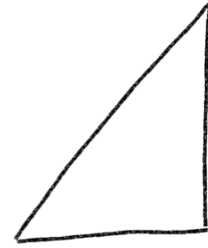
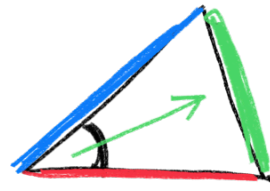
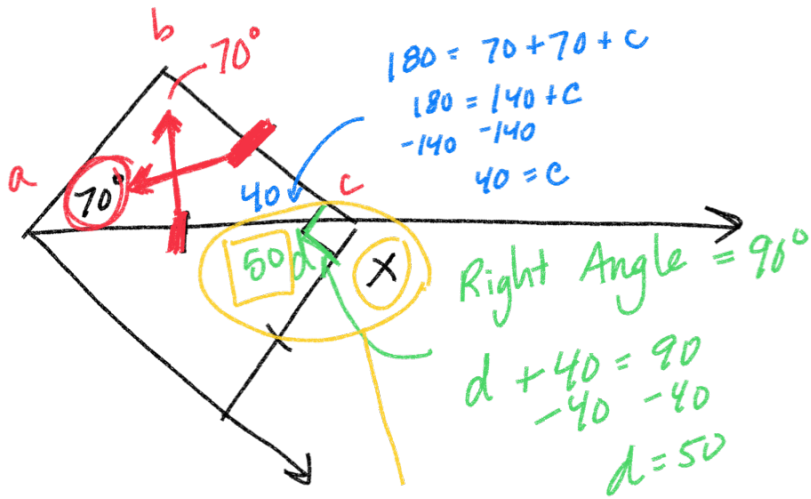


Linear pair

$$\begin{aligned} x + 44 &= 180 \\ -44 &\quad -44 \\ \hline x &= 136 \end{aligned}$$

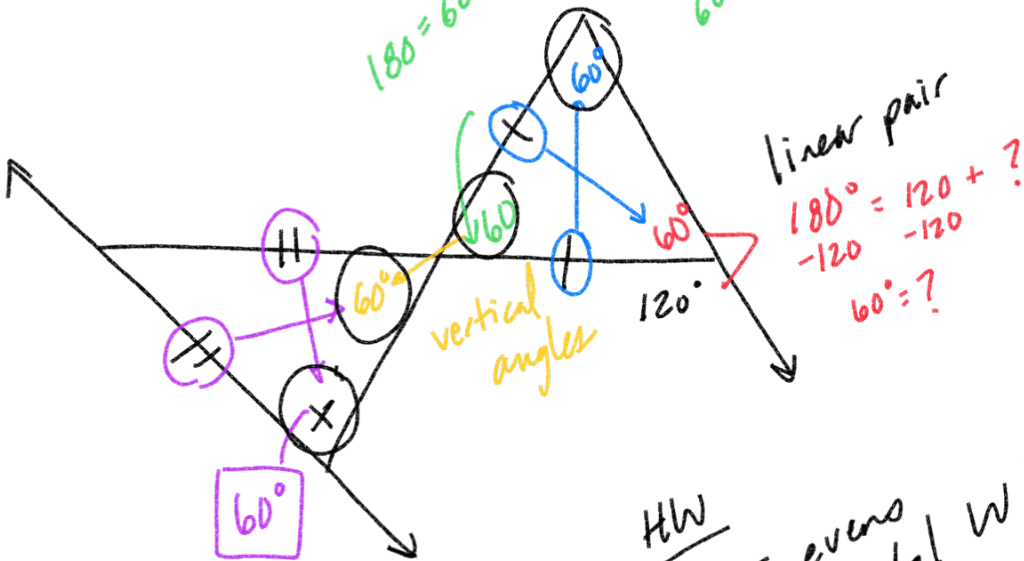
$$\begin{aligned} 46 + ? &= 90 \\ -46 &\quad -46 \\ \hline ? &= 44 \end{aligned}$$

$$\begin{aligned} 67 + 67 + ? &= 180 \\ 134 + ? &= 180 \\ -134 &\quad -134 \\ \hline ? &= 46 \end{aligned}$$



$X + 50 = 180$
 $-50 \quad -50$
 $X = 130$

$180 = 60 + 60 + ?$
 $180 = 120 + ?$
 $-120 \quad -120$
 $60 = ?$



HW
 Ch 4-5 evens
 Supplemental WS
 Online HW 21 } March 4th
 Quiz 21
 Post Pre-test
 HW/quiz 19 Feb 20th
 HW/quiz 20 Feb 27th

