







#### QUIZ IS TOMORROW!!!

- Measuring Angles with a protractor
- Complementary/Supplementary/Vertical
- Finding angle measures with parallel lines and a transversal
- Corresponding/Alternate Interior/Alternate Exterior/Same-side interior
- Angle sums of triangles (today)

# p.375 (1 – 8, 10)

- 1) Corresponding
- 2) Alternate Exterior
- $m \angle 4 = 30^o$  because it is <sup>7</sup> supplementary with  $\angle 1$ . <sup>8</sup>  $m \angle 7 = 150^o$  because it is corresponding to  $\angle 1$ .
- 70°; ∠2 is corresponding to ∠6, and ∠6 is supplementary with ∠7.
- 5)  $110^{o}$ ;  $\angle 2$  and  $\angle 8$  are alternate interior.
- 6)  $137^{o}$ ;  $\angle 11$  and  $\angle 3$  are corresponding.
  - a. x = 20; b. x = 40
- 8) x + 2x = 180, so x = 60

10)  $\angle 1$  and  $\angle 2$  are supplementary (explanations vary)

#### **Triangle Activity**

- Use your ruler to draw a large-ish triangle on a piece of paper you are not using. Then use your scissors to cut it out. (It is very important you use your ruler to draw the triangle instead of just freehanding it)
- 2. Tear (DO NOT CUT!) the three corners off.
- 3. Line the three corners up so that the tips are all touching. What do you notice? What does this mean?



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Angles of Triangles 9	,
Objectives:	
<u>Prove</u> that the angle sum of a triangle is 180°	
Find missing angle measures in triangles	
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### Interior Angles of a Triangle

Their sum is always 180°!!!!!!

















## HOMEWORK

□ p.393 (1 – 12, 14)