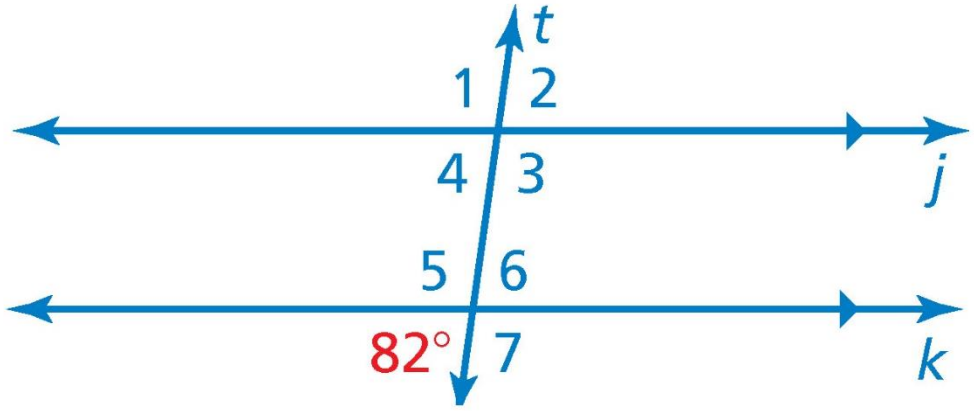
3.1–3.2

REVIEW

Review

Use the figure to find the measure of the angle. Explain your reasoning.



Possible explanations:

- Vertical Angles
- Supplementary Angles
- Corresponding Angles
- Supplementary Angles
- Alternate Interior Angles
- Alternate Exterior Angles
- (Or a combination of the above)

1) $m\angle 2 =$ _____ **. Why?** _____

2) $m\angle 6 =$ _____ **. Why?** _____

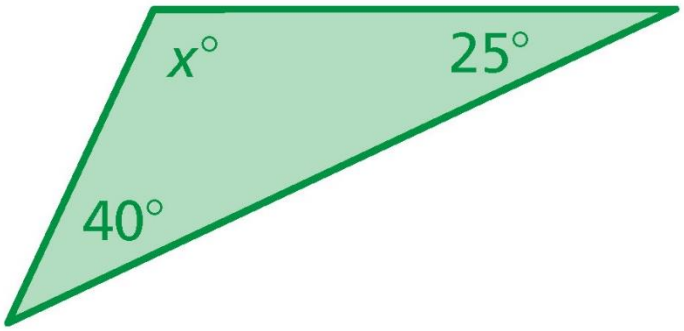
3) $m\angle 4 =$ _____ **. Why?** _____

4) $m\angle 1 =$ _____ **. Why?** _____

Review

Find the measures of the interior angles algebraically. SHOW WORK!

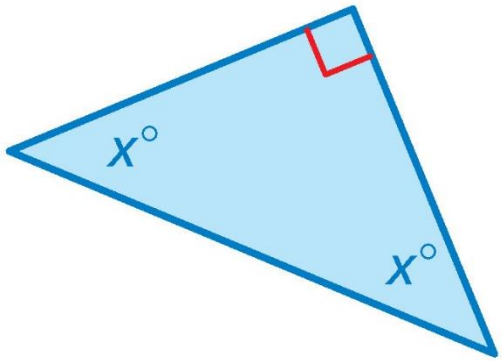
2)



Review

Find the measures of the interior angles algebraically. SHOW WORK!

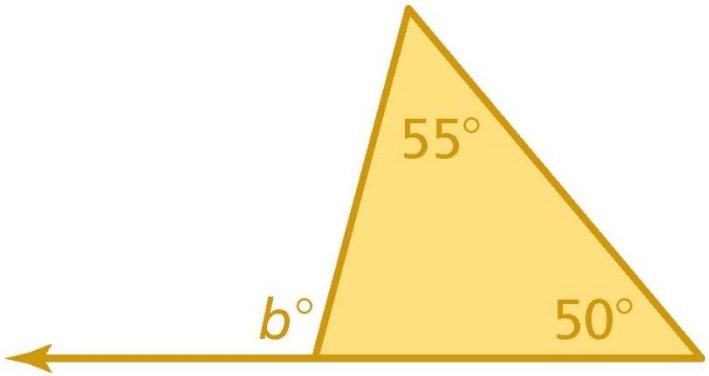
3)



Review

Find the measures of the exterior angle algebraically. SHOW WORK!

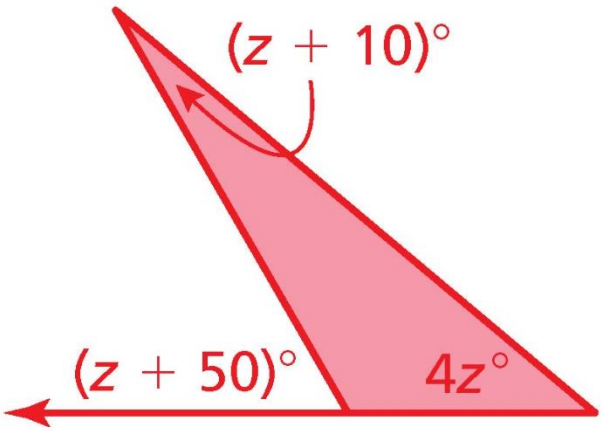
4)



Review

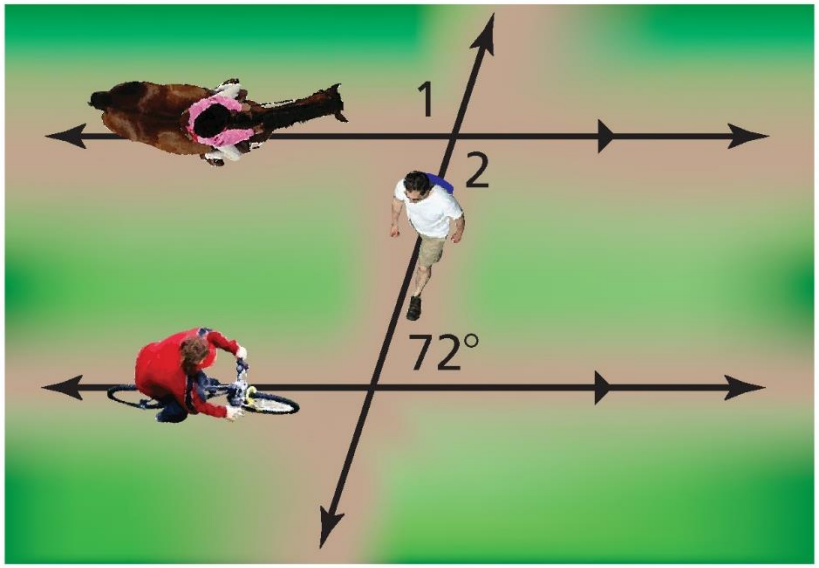
Find the measures of the exterior angle algebraically. SHOW WORK!

5)



Review

6) **In a park, a bike path and a horse riding path are parallel. In one part of the park, a hiking trail intersects the two paths. Find the measures of ∠1 and ∠2. Explain your reasoning.**



Triangle Interior Angles Sum

The ___ of all the _____ in a triangle is ____ .

Triangle Exterior Angle Sum

The measure of an exterior angle of a triangle is _____ to the _____ of the _____ _____ _____ .