

monday

Name: L02

Date: 4-19-2021

CHAPTER 12

Angles

Lesson 12.1 Angles on a Line

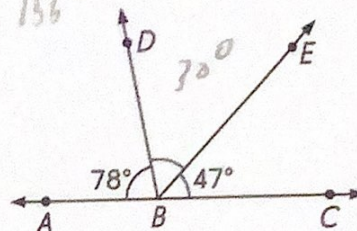
Find the unknown marked angles. The diagrams are not drawn to scale.

1. \overleftrightarrow{AC} is a line. Find the measure of $\angle DBE$.

$$78^\circ + 47^\circ = 125^\circ + 30^\circ = 155^\circ$$

$$180 - 155 = 25^\circ$$

25°

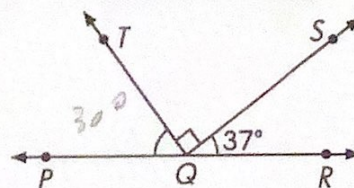


2. \overleftrightarrow{PR} is a line. Find the measure of $\angle PQT$.

$$30^\circ + 27^\circ = 67^\circ$$

$$180 - 67 = 113$$

113°



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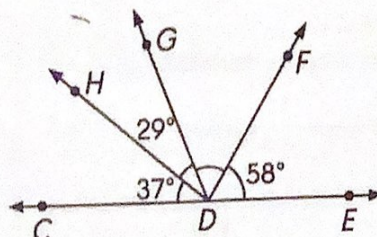
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3. \overleftrightarrow{CE} is a line. Find the measure of $\angle FDG$.

$$58 + 37 + 29 = 124^\circ$$

$$180 - 124 = 56$$

$$\boxed{56^\circ}$$



4. \overleftrightarrow{SU} is a line. The measure of $\angle y$ is twice as big as the measure of $\angle x$ and the measure of $\angle z$ is half the measure of a right angle. Find the measure of $\angle y$.

$$90 + 30 = 120^\circ$$

$$180 - 120 = 60^\circ$$

$$\boxed{60^\circ}$$

