Monday

Name: L02 Date: 4-19-2021

CHAPTER 12 Angles

Lesson 12.1 Angles on a Line

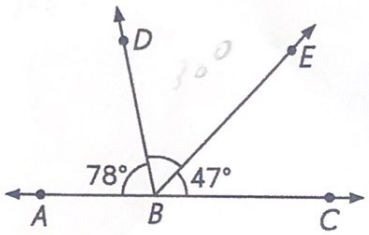
Find the unknown marked angles. The diagrams are not drawn to scale.

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

78° + 47° = 125°

180 − 125 = 55°

55°

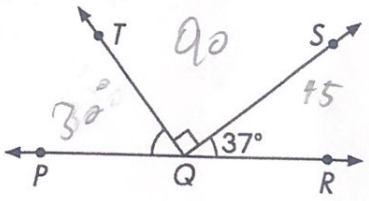


2. $\overleftrightarrow{PR}$ is a line. Find the measure of $\angle PQT$.

90 + 37 = 127 = 53

180 − 127 = 53

53°



90 ÷ 2 = 45

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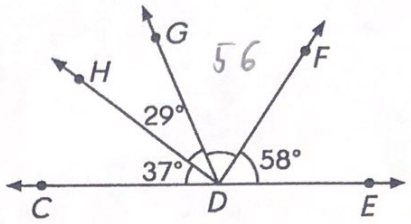
3. $\overleftrightarrow{CE}$ is a line. Find the measure of $\angle FDG$.

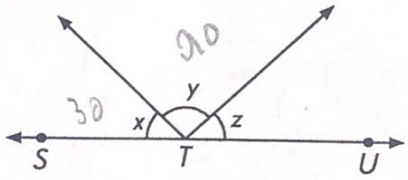


58 + 37 + 29 = 124°

180 − 124 = 56

56°

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 $\angle y$.



2x + x + 45 = 180

180 − 45 = 135°

X = 45

90°

3x = 135

$\frac{3x}{3} = \frac{135}{3}$ 2 × 45 = 90

x = 45

3 | 135 → 45

−12

15

−15

0