

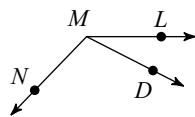
NTI Day 4: Angle Measurements

© 2019 Kuta Software LLC. All rights reserved.

Name _____

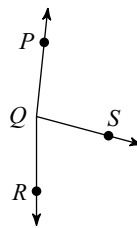
Date _____ Period _____

- 1) Find $m\angle LMN$ if $m\angle DMN = 107^\circ$ and $m\angle LMD = 27^\circ$.



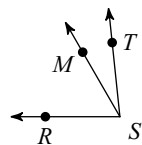
- A) 152° B) 93°
C) 99° D) 134°

- 2) Find x if $m\angle PQS = 17x - 3$, $m\angle SQR = 75^\circ$, and $m\angle PQR = 30x - 6$.



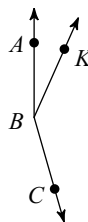
- A) 6 B) 7
C) -6 D) 1

- 3) Find $m\angle RST$ if $m\angle RST = 8x + 12$, $m\angle RSM = 60^\circ$, and $m\angle MST = 3x - 3$.



- A) 9° B) 84°
C) -3° D) 51°

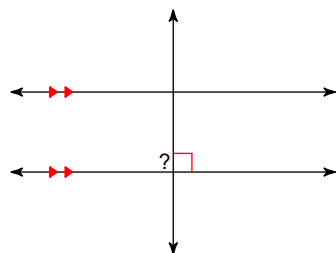
- 4) $m\angle KBC = 148 + x$, $m\angle ABC = 164^\circ$, and $m\angle ABK = x + 32$. Find $m\angle ABK$.



- A) 24° B) 22°
C) 33° D) 21°

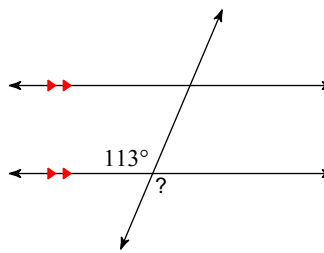
Find the measure of each angle indicated.

5)



- A) 62° B) 90°
C) 71° D) 85°

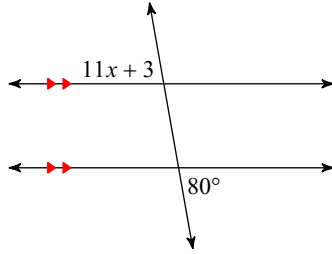
6)



- A) 85° B) 113°
C) 114° D) 65°

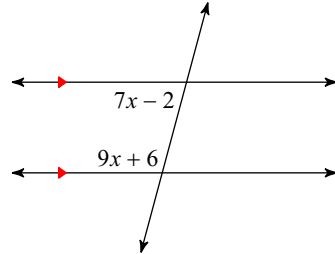
Solve for x .

7)



- A) 8 B) -6
C) 7 D) -7

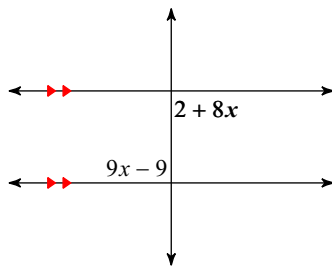
8)



- A) -3 B) 11
C) 8 D) 5

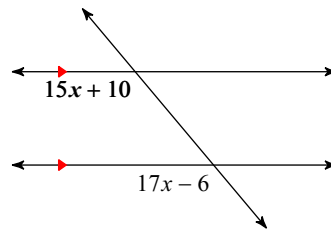
Find the measure of the angle indicated in bold.

9)



- A) 70° B) 93°
C) 90° D) 80°

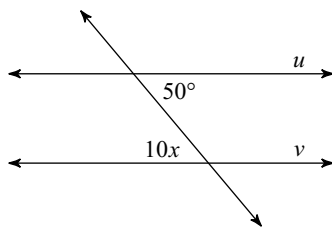
10)



- A) 55° B) 67°
C) 130° D) 135°

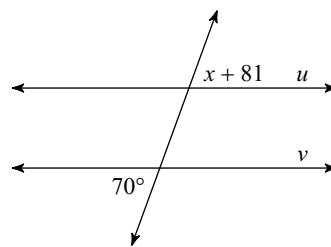
Find the value of x that makes lines u and v parallel.

11)



- A) 5 B) 6
C) -7 D) 10

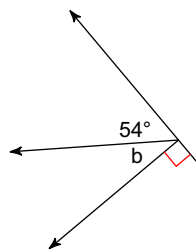
12)



- A) 2 B) -11
C) 10 D) 5

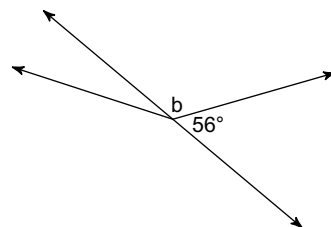
Find the measure of angle b .

13)



- A) 159° B) 21°
C) 36° D) 69°

14)



- A) 124° B) 36°
C) 51° D) 34°