Topics to review:

- Parallel and perpendicular lines


## Problem

Refer to the diagram to answer both questions.


Which line is parallel to line D ?
(A) Line A
(B) Line B
(C) Line C
(D) Line E

Which line is perpendicular to line D ?
(A) Line A
(B) Line B
(C) Line C
(D) Line E

## Problem 2

Refer to the diagram to answer both questions. Note that the end points of a line can be extended infinitely in opposite directions.


Which line is perpendicular to line A?
(A) Line B
(B) Line C
(C) Line D
(D) Line E

Which line is parallel to line C?
(A) Line A
(B) Line B
(C) Line D
(D) Line E

Topics to review:

- Angles, parallel lines, and traversals
- Missing angles with a traversal


## Problem

Refer to the diagram to answer all 3 questions.


What is the measure of angle $\mathbf{x}$ ?
(A) $180^{\circ}$
(B) $90^{\circ}$
(C) $108^{\circ}$
(D) $72^{\circ}$

What is the measure of angle $\mathbf{y}$ ?
(A) $180^{\circ}$
(B) $90^{\circ}$
(C) $108^{\circ}$
(D) $72^{\circ}$

What is the measure of angle $\mathbf{z}$ ?
(A) $180^{\circ}$
(B) $90^{\circ}$
(C) $108^{\circ}$
(D) $72^{\circ}$

Topics to review:

- Using a protractor to measure angles


## Problem

Refer to the image when answering the questions.


What is the measure of the orange angle?
(A) $55^{\circ}$
(B) $145^{\circ}$
(C) $65^{\circ}$
(D) $125^{\circ}$

What is the measure of the green angle?
(A) $180^{\circ}$
(B) $70^{\circ}$
(C) $95^{\circ}$
(D) $110^{\circ}$

Topics to review:

- Solving for unknown angles


## Problem

Refer to the diagram to answer question (1).


What is the measure of the unknown angle?
(A) $177^{\circ}$
(B) $66^{\circ}$
(C) $95^{\circ}$
(D) $153^{\circ}$

Refer to the diagram to answer question (2).


What is the measure of the unknown angle?
(A) $100^{\circ}$
(B) $22^{\circ}$
(C) $45^{\circ}$
(D) $36^{\circ}$

