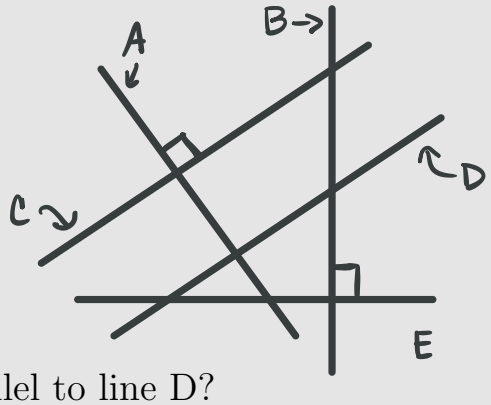
Topics to review:

- 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

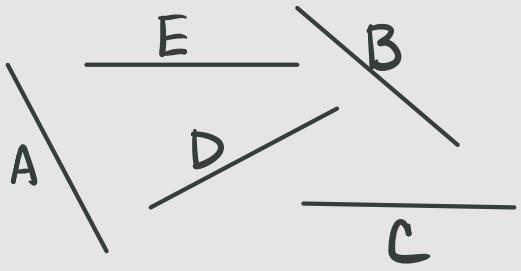
(B) Line B

(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

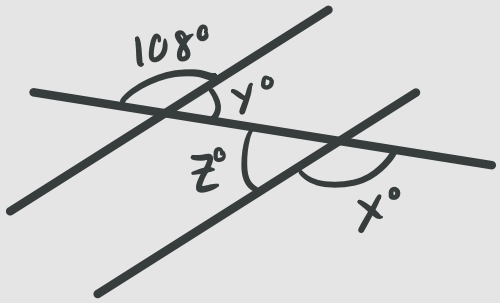
(D) Line E

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 **x**?

(A) 180°

(B) 90°

(C) 108°

(D) 72°

What is the measure of angle **y**?

(A) 180°

(B) 90°

(C) 108°

(D) 72°

What is the measure of angle **z**?

(A) 180°

(B) 90°

(C) 108°

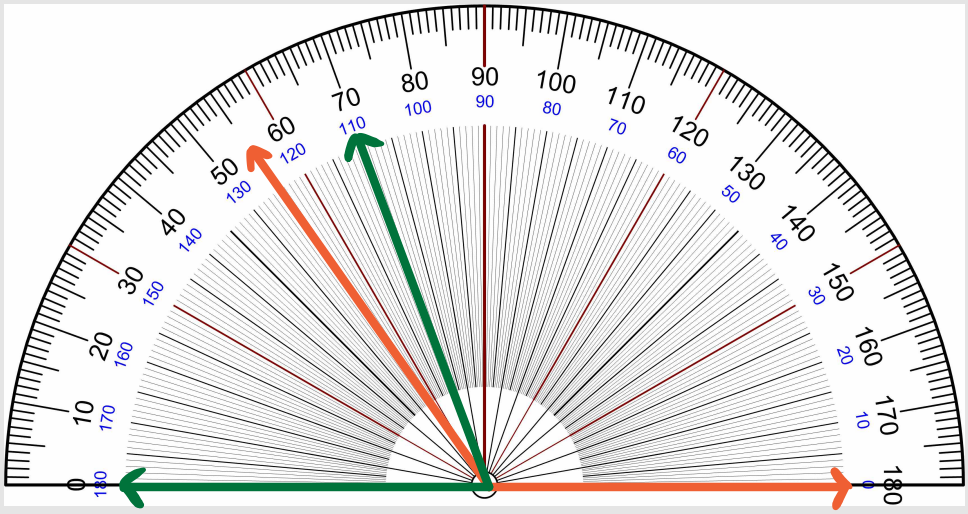
(D) 72°

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°

(B) 145°

(C) 65°

(D) 125°

What is the measure of the **green angle**?

(A) 180°

(B) 70°

(C) 95°

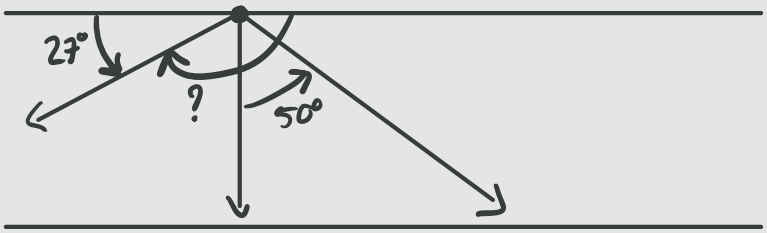
(D) 110°

Topics to review:

- Solving for unknown angles

Problem

Refer to the diagram to answer question (1).



What is the measure of the unknown angle?

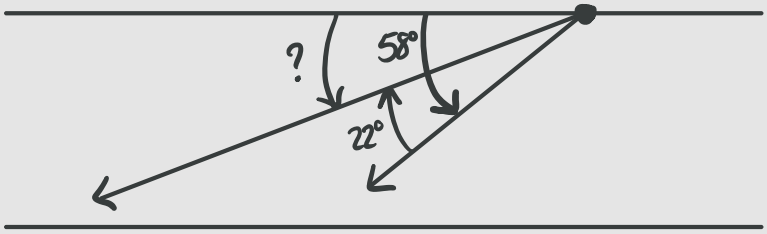
(A) 177°

(B) 66°

(C) 95°

(D) 153°

Refer to the diagram to answer question (2).



What is the measure of the unknown angle?

(A) 100°

(B) 22°

(C) 45°

(D) 36°