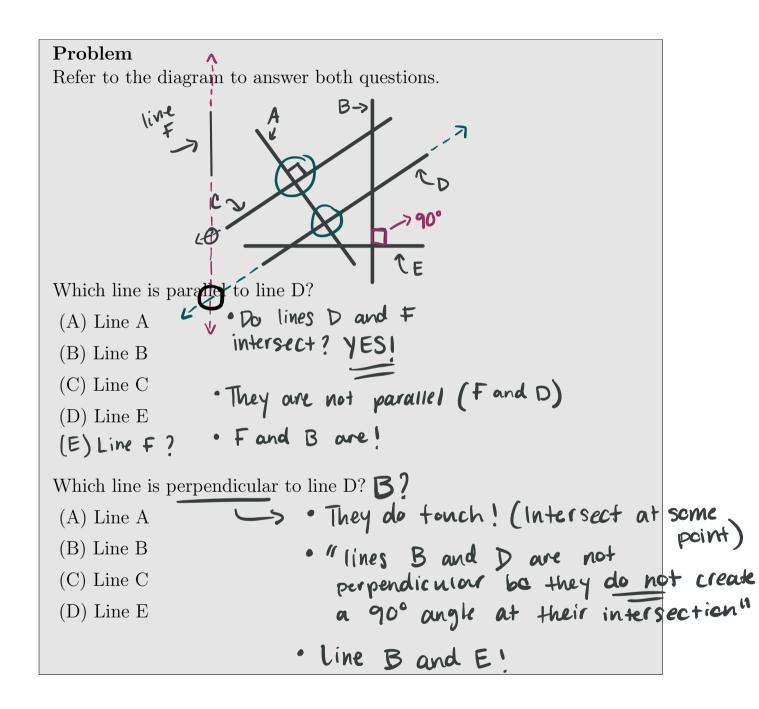
ABX 0100 - ABE Math M4 - Geometry

Topics to review:

• Parallel and perpendicular lines



Parallel lines

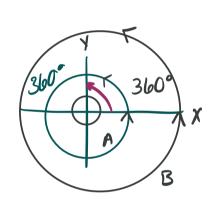
- Need 2 lines to decide if
 they are parallel (pair)
 Comparison
- They never intersect
 Do not touch, cross paths, overlap, etc.
- · | Train tracks = side by

·lines
ove
ove
obstract
objects

infinitely

·We can
extend any
extend any
infinitely

* "Extend infinitely w/out * ever touching"?



- · Full circle -> 360°
- · Half circle > 180°
- $\frac{1}{4}$ of a circle $\Rightarrow 360^{\circ} = 90^{\circ}$ $\frac{1}{4} \cdot 360 = \frac{1 \cdot 360}{4}$
- $0.25 \cdot 360$ $\frac{360}{4}$ $\frac{1}{4}$.

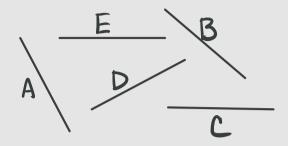
$$\frac{1}{4} \cdot \frac{360}{1} = \frac{360}{4}$$

· Multiplying
fractions
& whole
numbers

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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?

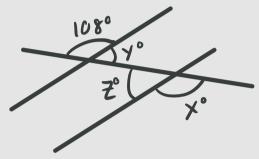
- (A) Line A
- (B) Line B
- (C) Line D
- (D) Line E

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°
- (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 \mathbf{z} ?

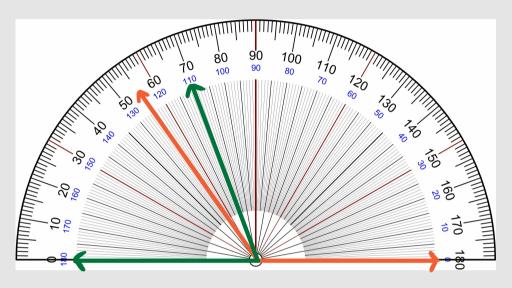
- (A) 180°
- (B) 90°
- (C) 108°
- (D) 72°

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?

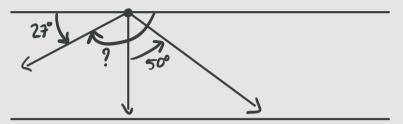
- (A) 180°
- (B) 70°
- (C) 95°
- (D) 110°

Topics to review:

• Solving for unknown angles

Problem

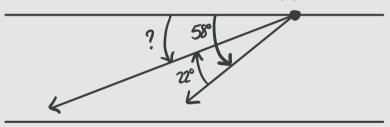
Refer to the diagram to answer question (1).



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°