Cumulative Review

Chapters 1-3

Multiple Choice

1. What is the slope of a line parallel to -8x + y = 2?

(A)

⊕ 8

@ =1

(D)

Given right △ABC with m∠B = (3x + 10) and m∠A = x, if ∠C is the right angle, what is the value of x?

CED 90

CED 75

CFD 45

CD 20

 Segment AB contains midpoint P. Which does not properly name the line containing AB?

CAD AB

CID PA

CO APB

CD BA

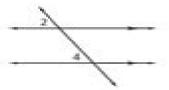
Given m∠2 = 50, which postulate or theorem proves m∠4 = 50?

Alternate Interior Angles Theorem

Corresponding Angles Theorem

D Parallel Postulate

Same-Side Interior Angles Postulate



 A segment has a midpoint (-2, 9) and one endpoint (2, 8). What is the coordinate of the other endpoint?

(□6, 10)

(□4, 10)

C (-2, 0.5)

(0, 8.5)

6. Find the radius of a circle with an area of 27π cm².

⊕ 3√3 cm

© 2√7 cm

(H) 13.5 cm

CD 27 cm

7. If Joe turns off his alarm, then he sleeps too late. If Joe sleeps too late, then he misses his bus. Joe catches the bus. What can you conclude?

(A) Joe slept too late.

D Joe's mom woke him up.

Joe did not turn off his alarm.

D Joe set his alarm for the correct time.

8. What is the sum of the measures of the exterior angles of an equilateral triangle?

CFD 90

CD 180

CED 360

D 900

∠A and ∠B are supplementary congruent angles. What is m∠B?

CED 45

CED 60

CD 90

CD 180

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LM Reder

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