Distance & Midpoint · Grade 10

Name _____ Date _____ Score _____ / 6

01 A circle centred at the origin passes through (−16, −12). Its equation =

Answer: _____

02 Equation of the right bisector of A(1, −3) and B(−5, −5) =

Answer: _____

03 Is (−8, 14) on the circle $x^2 + y^2 = 289$?

Answer: _____

04 M(5, −1) is the midpoint of A(4, 6) and B. Find B.

Answer: _____

05 Distance between (9, −10) and (4, 2) =

Answer: _____

06 Triangle A(−1, 3), B(−4, −1), C(2, −1): scalene or isosceles? Right or not?

Answer: _____

Distance & Midpoint · Grade 10 (Answer Key)

01 A circle centred at the origin passes through (−16, −12). Its equation =

$x^2 + y^2 = 400$

02 Equation of the right bisector of A(1, −3) and B(−5, −5) =

$y = -3x - 10$

03 Is (−8, 14) on the circle $x^2 + y^2 = 289$?

No: $(-8)^2 + 14^2 = 260$

04 M(5, −1) is the midpoint of A(4, 6) and B. Find B.

(6, −8)

05 Distance between (9, −10) and (4, 2) =

13

06 Triangle A(−1, 3), B(−4, −1), C(2, −1): scalene or isosceles? Right or not?

Isosceles, not right