Distance & Midpoint · Grade 10

Name _____ Date _____ Score _____ / 6

01 Equation of the right bisector of A(−4, 3) and B(2, 1) =

Answer: _____

02 Is (6, −7) on the circle $x^2 + y^2 = 100$?

Answer: _____

03 A circle centred at the origin passes through (5, −12). Its equation =

Answer: _____

04 Equation of the right bisector of A(−5, 0) and B(7, 4) =

Answer: _____

05 Triangle A(−1, −1), B(0, 3), C(−4, −1). Equation of the median from A =

Answer: _____

06 Triangle A(1, 3), B(−3, −4), C(5, 2): scalene or isosceles? Right or not?

Answer: _____

Distance & Midpoint · Grade 10 (Answer Key)

01 Equation of the right bisector of A(−4, 3) and B(2, 1) =

$y = 3x + 5$

02 Is (6, −7) on the circle $x^2 + y^2 = 100$?

No: $6^2 + (-7)^2 = 85$

03 A circle centred at the origin passes through (5, −12). Its equation =

$x^2 + y^2 = 169$

04 Equation of the right bisector of A(−5, 0) and B(7, 4) =

$y = -3x + 5$

05 Triangle A(−1, −1), B(0, 3), C(−4, −1). Equation of the median from A =

$y = -2x - 3$

06 Triangle A(1, 3), B(−3, −4), C(5, 2): scalene or isosceles? Right or not?

Scalene, not right