

Name : _____

Discriminant

MS3

Find the discriminant for each quadratic equation.

1) $-7 = 5z(z - 2)$

2) $8t = 5t^2 + 2$

3) $6.4r^2 - r = 0$

$q + 4 = 0$

5) $(2n - 1)(n - 1) = 0$

7) $7u^2 + \sqrt{6}u - 1 = 0$

$= -3x$

9) $d(9d - 8) = -5$

10) $(s - 1)(s + 2) = 0$

PREVIEW

Gain complete access to the largest
collection of worksheets in all subjects!

Members, please
log in to
download this
worksheet.

Not a member?
Please sign up to
gain complete
access.

www.mathworksheets4kids.com

Name : _____

Answer key

Discriminant

MS3

Find the discriminant for each quadratic equation.

1) $-7 = 5z(z - 2)$

-40

2) $8t = 5t^2 + 2$

24

3) $6.4r^2 - r = 0$

1

5) $(2n - 1)(n - 1) = 0$

25

7) $7u^2 + \sqrt{6}u - 1 = 0$

34

9) $d(9d - 8) = -5$

-116

$q + 4 = 0$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

-39

10) $(s - 1)(s + 2) = 0$

9