

Name : _____

Discriminant

MS2

Find the discriminant for each quadratic equation.

1) $3p^2 + 4 = -\sqrt{2}p$

2) $0.6m^2 + 8m + 5 = 0$

3) $7u^2 + 6u = 0$

$k^2 + 2$

5) $25y^2 - y = -0$

$(5w - 8)$

7) $q(q + 1) = 2$

$i + 3 = 0$

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9) $(g + 3)(g - 5) = 0$

10) $x(6 - 2x) = 7$

Name : _____

Answer key

Discriminant

MS2

Find the discriminant for each quadratic equation.

1) $3p^2 + 4 = -\sqrt{2}p$

-46

2) $0.6m^2 + 8m + 5 = 0$

52

3) $7u^2 + 6u = 0$

36

5) $25y^2 - y = -0$

-23

7) $q(q + 1) = 2$

9

9) $(g + 3)(g - 5) = 0$

64

10) $x(6 - 2x) = 7$

-20

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