

Name : _____

Solving Quadratic Equations

MS3

Solve each quadratic equation using quadratic formula.

1) $4v^2 - 20v + 17 = 0$

2) $g^2 - 3g + 13 = g$

3) $s^2 - 2s -$

$+ 7 = 0$

5) $2.5x^2 + 7$

$r + 22 = 0$

7) $k^2 - 10k$

$u = -\frac{1}{4}$

9) $q^2 + 6q + 15 = -11 - 4q$

10) $3h^2 - 5h = -12 + 3h$

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Answer key

Solving Quadratic Equations

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Solve each quadratic equation using quadratic formula.

1) $4v^2 - 20v + 17 = 0$

$$v = \frac{5 \pm 2\sqrt{2}}{2}$$

2) $g^2 - 3g + 13 = g$

$$g = 2 \pm 3i$$

3) $s^2 - 2s -$

$$s = -5 ; s$$

5) $2.5x^2 + 7$

$$x = \frac{-7 \pm$$

7) $k^2 - 10k$

$$k = 9 \pm \sqrt{66}$$

9) $q^2 + 6q + 15 = -11 - 4q$

$$q = -5 \pm i$$

10) $3h^2 - 5h = -12 + 3h$

$$h = \frac{4 \pm 2\sqrt{5}i}{3}$$

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