

Name : _____

Quadratic Equation | Factoring

MS2

Solve each quadratic equation using factoring.

1) $12x^2 = 5x + 3$

2) $30g = -8g^2 + 8$

3) $7p^2 + 18p$

5) $-28t + 4$

7) $3r^2 + 4r -$

9) $u^2 + 9 = -5u$

10) $18 = -2s^2 + 12s$

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$- 5 = 2v$

$= 4$

Quadratic Equation | Factoring

Solve each quadratic equation using factoring.

1) $12x^2 = 5x + 3$

$$x = -\frac{1}{3}; x = \frac{3}{4}$$

2) $30g = -8g^2 + 8$

$$g = -4; g = \frac{1}{4}$$

3) $7p^2 + 18p$

$$p = -2; p$$

5) $-28t + 4$

$$t = \frac{2}{13}; t$$

7) $3r^2 + 4r -$

$$r = -5; r = 1$$

9) $u^2 + 9 = -5u$

$$u = \frac{-5 \pm \sqrt{11}i}{2}$$

10) $18 = -2s^2 + 12s$

$$s = 3$$

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