Name : _____

Rearranging Equations

T2MS2

1) Solve $b = \dfrac{21u - 5ab}{u - a}$ for u.

2) Solve $\dfrac{27d + \sqrt{3}}{2} = 19c$ for d.

3) Solve $-y + \dfrac{7z}{t} - \dfrac{6}{t}$ $2 - s)$ for r.

5) Solve $\dfrac{-w + 1}{w} = \dfrac{n^3}{}$ -1 for k.

7) Solve $\dfrac{13 - nh}{2(n + g)} = h$ for g.

8) Solve $4p + q^2 = 3pq^2 + 7$ for p.

Name : _____

Answer key

Rearranging Equations

T2MS2

1) Solve $b = \dfrac{21u - 5ab}{u - a}$ for u.

$u = \dfrac{4ab}{21 - b}$

2) Solve $\dfrac{27d + \sqrt{3}}{2} = 19c$ for d.

$d = \dfrac{38c - \sqrt{3}}{27}$

3) Solve $-y + \dfrac{7z}{t} - \dfrac{6}{t}$ 2 – s) for r.

$t = \dfrac{7z - 6}{y}$

5) Solve $\dfrac{-w + 1}{w} = \dfrac{n^3}{}$ –1 for k.

$w = \dfrac{8}{n^3 + 15v^2 + 8}$

7) Solve $\dfrac{13 - nh}{2(n + g)} = h$ for g.

$g = \dfrac{13 - 3nh}{2h}$

8) Solve $4p + q^2 = 3pq^2 + 7$ for p.

$p = \dfrac{7 - q^2}{4 - 3q^2}$